U1000

User Manual

Please Read Before Proceeding

THE BATTERY IS NOT FULLY CHARGED WHEN YOU TAKE IT OUT OF THE BOX.

DO NOT REMOVE THE BATTERY PACK WHEN THE DEVICE IS CHARGING.

YOUR WARRANTY IS INVALIDATED IF YOU OPEN OR TAMPER WITH THE DEVICE'S OUTER CASING.

PRIVACY RESTRICTIONS

Some countries require full disclosure of recorded telephone conversations, and stipulate that you must inform the person with whom you are speaking that the conversation is being recorded. Always obey the relevant laws and regulations of your country when using the recording feature of your Pocket PC Phone.

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Important Health Information and Safety Precautions

When using this product, the safety precautions below must be taken to avoid possible legal liabilities and damages. Retain and follow all product safety and operating instructions. Observe all warnings in the operating instructions on the product.

To reduce the risk of bodily injury, electric shock, fire, and damage to the equipment, observe the following precautions.

ELECTRICAL SAFETY

This product is intended for use when supplied with power from the designated battery or power supply unit. Other usage may be dangerous and will invalidate any approval given to this product.

SAFETY PRECAUTIONS FOR PROPER GROUNDING INSTALLATION

CAUTION: Connecting to an improperly grounded equipment can result in an electric shock to your device.

This product equipped with a USB Cable for connecting with desk-top or notebook computer. Be sure your computer is properly grounded (earthed) before connecting this product to the computer. The power supply cord of a desktop or notebook computer has an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet which is properly installed and grounded in accordance with all local codes and ordinances.

SAFETY PRECAUTIONS FOR POWER SUPPLY UNIT

- **Use the correct external power source**
  A product should be operated only from the type of power source indicated on the electrical ratings label. If you are not sure of the type of power source required, consult your authorised service provider or local power company. For a product that operates from battery power or other sources, refer to the operating instructions that are included with the product.

  This product should be operated only with the following designated power supply unit(s):

1. Delta, Model ADP-5FH X
2. Tamura, Model JHA050100Uabb
3. Phihong, Models PSAA05X-050 and PSC05R-050

Car Adapter

1. Phihong, Model CLM10D-050
2. Hwa Ying, Model AP-03

- **Handle battery packs carefully**
  This product contains a Li-ion battery. There is a risk of fire and burns if the battery pack is handled improperly. Do not attempt to open or service the battery pack. Do not disassemble, crush, puncture, short external contacts or circuits, dispose of in fire or water, or expose a battery pack to temperatures higher than 60˚C (140˚F).

WARNING: DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. TO REDUCE RISK OF FIRE OR BURNS, DO NOT DISASSEMBLE, CRUSH, PUNCTURE, SHORT EXTERNAL CONTACTS, EXPOSE TO TEMPERATURE ABOVE 60˚C (140˚F), OR DISPOSE OF IN FIRE OR WATER. REPLACE ONLY WITH SPECIFIED BATTERIES. RECYCLE OR DISPOSE OF USED BATTERIES ACCORDING TO THE LOCAL REGULATIONS OR REFERENCE GUIDE SUPPLIED WITH YOUR PRODUCT.

SAFETY PRECAUTIONS FOR DIRECT SUNLIGHT

Keep this product away from excessive moisture and extreme temperatures. Do not leave the product or its battery inside a vehicle or in places where the temperature may exceed 60°C (140°F), such as on a car dashboard, window sill, or behind a glass that is exposed to direct sunlight or strong ultraviolet light for extended periods of time. This may damage the product, overheat the battery, or pose a risk to the vehicle.

PREVENTION OF HEARING LOSS

CAUTION: Permanent hearing loss may occur if earphones or headphones are used at high volume for prolonged periods of time.

NOTE: For France, mobile headphones, earphones, and wired remote controllers for this device have been tested to comply with the Sound Pressure Level requirement laid down in NF EN 50332-1:2000 and NF EN 50332-2:2000 standards as required by French Article L. 5232-1.

SAFETY IN AIRCRAFTS

Due to the possible interference caused by this product to an aircraft's navigation system and its communications network, using this device's phone function on board an airplane is against the law in most countries. If you want to use this device when on board an aircraft, remember to turn off the phone by switching to Flight Mode.

ENVIRONMENT RESTRICTIONS

Do not use this product in gas stations, fuel depots, chemical plants or where blasting operations are in progress, or in potentially explosive atmospheres such as fuelling areas, fuel storehouses, below deck on boats, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles, such as grain, dust, or metal powders. Please be aware that sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

EXPLOSIVE ATMOSPHERES

When in any area with a potentially explosive atmosphere or where flammable materials exist, the product should be turned off and the user should obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised not to use the equipment at refueling points such as service or gas stations, and are reminded of the need to observe restrictions on the use of radio equipment in fuel depots, chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. These include fueling areas, below deck on boats, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles, such as grain, dust, or metal powders.

ROAD SAFETY

Vehicle drivers in motion are not permitted to use telephony services with handheld devices, except in the case of emergency. In some countries, using hands-free devices as an alternative is allowed.

SAFETY PRECAUTIONS FOR RF EXPOSURE

- Avoid using your device near metal structures (for example, the steel frame of a building).
- Avoid using your device near strong electromagnetic sources, such as microwave ovens, sound speakers, TV and radio.
- Use only original manufacturer-approved accessories, or accessories that do not contain any metal.
- Use of non-original manufacturer-approved accessories may violate your local RF exposure guidelines and should be avoided.

INTERFERENCE WITH MEDICAL EQUIPMENT FUNCTIONS

This product may cause medical equipment to malfunction. The use of this device is forbidden in most hospitals and medical clinics.

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn the phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

HEARING AIDS

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider, or call the customer service line to discuss alternatives.

NONIONIZING RADIATION

This product should be operated in the suggested normal condition only to ensure the radiative performance and safety of the interference. As with other mobile radio transmitting equipment, users are advised that for satisfactory operation of the equipment and for the safety of personnel, it is recommended that no part of the human body be allowed to come too close to the antenna during operation of the equipment.

General Precautions

- **Heed service markings**
  Except as explained elsewhere in the Operating or Service documentation, do not service any product yourself. Service needed on components inside these compartments should be done by an authorized service technician or provider.
- **Damage requiring service**
  Unplug the product from the electrical outlet and refer servicing to an authorized service technician or provider under the following conditions:
  - Liquid has been spilled or an object has fallen into the product.
  - The product has been exposed to rain or water.
  - The product has been dropped or damaged.
  - There are noticeable signs of overheating.
  - The product does not operate normally when you follow the operating instructions.
- **Avoid hot areas**
  The product should be placed away from heat sources such as radiators, heat registers, stoves, or other products (including, but limited to, amplifiers) that produce heat.
- **Avoid wet areas**
  Never use the product in a wet location.

- **Avoid using your device after a dramatic change in temperature**
  When you move your device between environments with very different temperature and/or humidity ranges, condensation may form on or within the device. To avoid damaging the device, allow sufficient time for the moisture to evaporate before using the device.

  Note:

  When taking the device from low-temperature conditions into a warmer environment or from high-temperature conditions into a cooler environment, allow the device to acclimate to room temperature before turning on the power.

- **Avoid pushing objects into product**
  Never push objects of any kind into cabinet slots or other openings in the product. Slots and openings are provided for ventilation. These openings must not be blocked or covered.
- **Mounting Accessories**
  Do not use the product on an unstable table, cart, stand, tripod, or bracket. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
- **Avoid unstable mounting**
  Do not place the product with an unstable base.
- **Use product with approved equipment**
  This product should be used only with personal computers and options identified as suitable for use with your equipment.
- **Adjust the volume**
  Turn down the volume before using headphones or other audio devices.
- **Cleaning**
  Unplug the product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning, but NEVER use water to clean the LCD screen.

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Chapter 1

Getting Started

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1.4 The Today Screen
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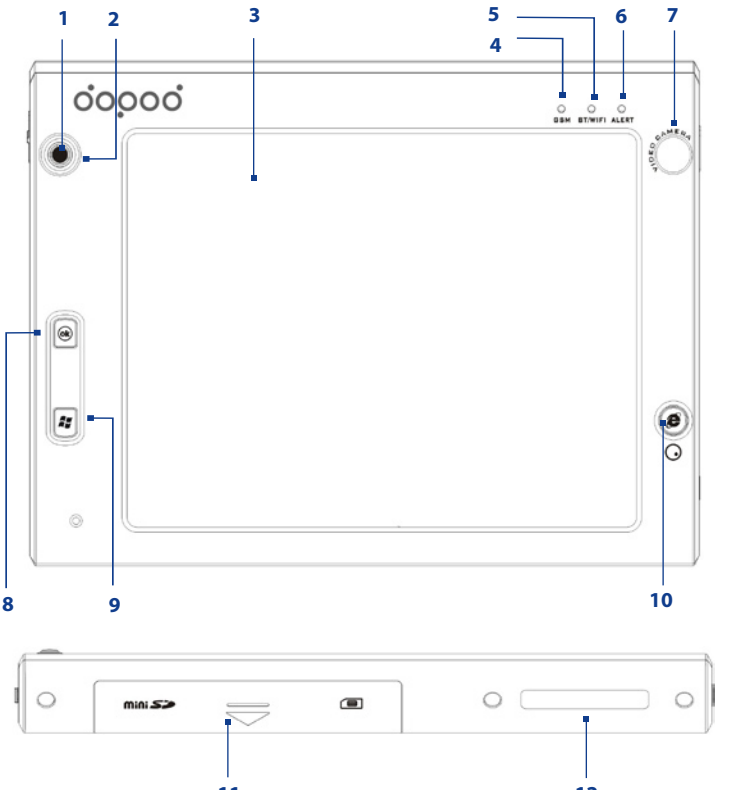
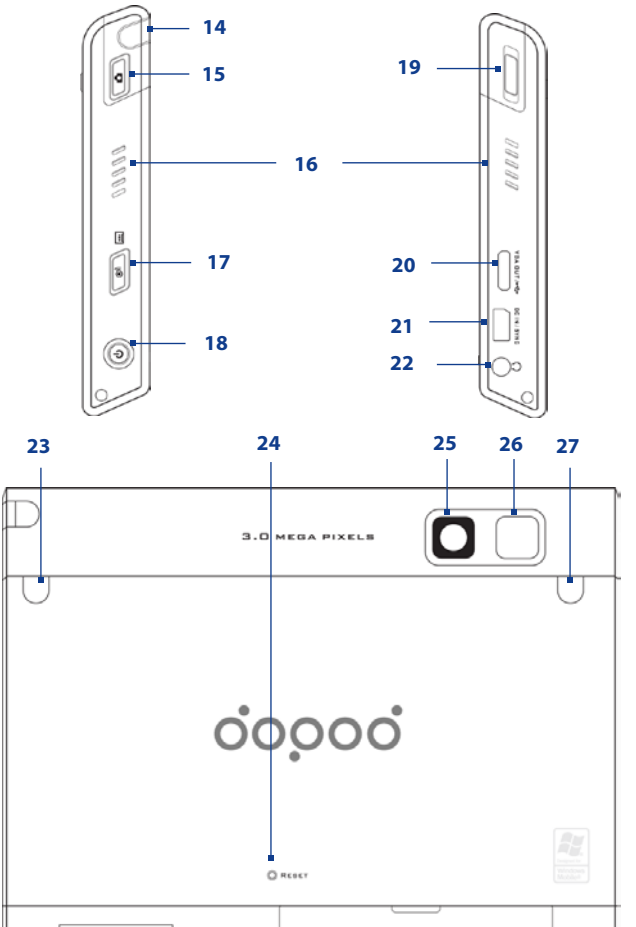
1.1 Getting to Know Your Device and Its Accessories



No.	Item	Function
1	**Navigation Control/ CENTER OK button**	Press this multi-directional control up, down, left, or right to move through menus and program instructions; carry out the selection by pressing the CENTER OK button.
2	**Notification LED 1**	This LED shows battery charging status.
3	**Touch Screen**	Tap the screen with the stylus to write, draw, or make a selection.
4	**Notification LED 2**	This LED shows the GSM/UMTS standby/ network status (Green). and GPS indicator (amber)
5	**Notification LED 3**	This LED shows the following: • A flashing Blue light for Bluetooth system notification of powered-up and ready to transmit radio frequency signal. • A flashing Green light for Wi-Fi status. • When both Bluetooth and Wi-Fi are enabled, their lights flash alternately.
6	**Notification LED 4**	This LED shows messages and notifications.
7	**Second Camera**	Use this camera for video call conversations or to take self landscape photos.
8	**OK Button**	Press to confirm your data entries, or to exit the program in use.
9	**START Button**	Press to open the Start menu.
10	**INTERNET EXPLORER MOBILE/VueFLO Button**	Press to launch Internet Explorer Mobile. Press this button to activate VueFLO when browsing the Web.
11	**Battery Compartment**	Open this compartment to insert the SIM/USIM card, miniSD™ card and battery.
12	**Keyboard Copper Connector**	Attach the copper part of the keyboard to this to be able to use the keyboard. See "Using the Hardware Keyboard" in chapter 2 to learn how to attach the keyboard to the main unit.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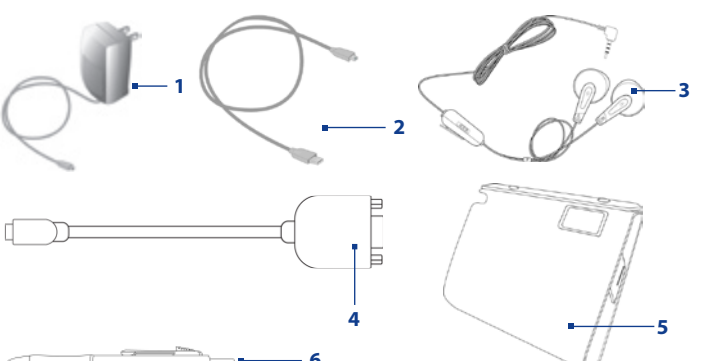
3.0 MEGA PIXELS
RESET

No.	Item	Function
14	**Stylus**	Use the stylus to write, draw, or select items on the touch screen.
15	**CAMERA Button**	Press to launch the Camera; press again to take a photo or video clip, depending on the specified capture mode.
16	**Speaker**	Listen to audio files and voice calls here.
17	**COMM MANAGER/ Voice Commander button**	Press to open Comm Manager. Press and hold to open the Voice Notes program.
18	**POWER Button**	• Press to turn off the display temporarily. This switches your device to Sleep mode. You can still receive calls and messages when your device is in Sleep mode. • Press and hold (for about 5 seconds) to turn off the power completely. All functions including the phone will be unavailable for use.
19	**Volume Slider**	• Slide up or down to adjust the speaker volume. • During a call, slide up or down to adjust the earpiece volume.
20	**VGA Out/USB port**	Use this connection to output the contents on the screen to an external device using the provided VGA out cable. This also acts as a USB 1.1 host to connect USB peripherals.
21	**HTC ExtUSB™ port**	Use this connector to synchronize data by connecting the provided USB Sync cable or to recharge the battery via the provided AC adapter. You can also connect the provided USB stereo headset for hands-free conversation or for listening to audio media.
22	**3.5 mm Earphone Jack**	Lets you listen to audio media, use a hand-free kit or plug in a microphone.
23	**Car Antenna Connector**	Connect your device to the car antenna while in a car to have better reception quality.
24	**RESET Button**	With the stylus, press the RESET button to soft-reset your device.
25	**Camera**	Use the camera to take still photos and record video clips.
26	**Flash Light**	When turned on, it illuminates your subject and allows you to capture clear photos or video even in a dark environment. It also flashes when a photo is taken.
27	**GPS Antenna Connector**	If you need better GPS signal reception, you can connect an external GPS antenna.

No.	Item	Function
	QWERTY keyboard	This is similar to a standard PC keyboard. Connect to the device to use the keyboard (Please see chapter 2). This also acts as a protective cover for the device screen.

Accessories (with referred pictures)



No.	Accessory	Function
1	**AC adapter**	Recharges the battery.
2	**USB Sync cable**	Connects your device to a PC and synchronizes data.
3	**Stereo headset**	Provides a volume control slider and a Send/End button. Press the Send/End button to pick up a call or put a call on hold; press and hold the button to end the call.
4	**VGA Out cable**	Connects your device to an external viewing device. You can output the contents on the device's screen to an external viewing device.
5	**Carrying Case**	Acts as a protective carrying case for your Athena.
6	**Extra Stylus**	Equipped with second stylus. The multifunction stylus can be using to tap items onscreen or using as regular writing pen.

1.2 About the USIM/SIM Card and Battery

Always turn off your device before installing/replacing the battery and USIM/SIM card. Follow the instructions in the Quick Start Guide to install a 3G USIM (Universal Subscriber Identity Module) or a SIM (Subscriber Identity Module) card provided by your local network service provider and to install the battery.

The USIM/SIM card contains your phone number, service details, and phonebook/message memory. Your device supports both 1.8V and 3V USIM/SIM cards. Some legacy SIM cards will not function with your device. You should consult with your service provider for a replacement SIM card. There may be fees for this service.

Your device contains a rechargeable Li-ion polymer battery. This device is designed to use only manufacturer-specified original batteries and accessories. Battery performance depends on many factors, including your wireless service provider's network configuration, signal strength, the temperature of the environment in which you operate your device, the features and/or settings you select and use, items attached to connecting ports, and your voice, data, and other program usage patterns.

Battery life estimates (approximations):

- Standby time: Up to **300** hours for GSM
  Up to **300** hours for UMTS.
- Talk time (Screen off): Up to **5.5** hours for GSM
  Up to **4.5** hours for UMTS.

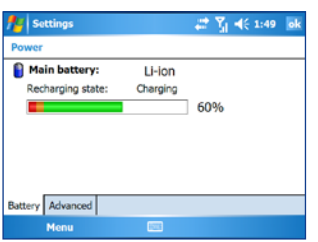
Warning! To reduce risk of fire or burns:

- Do not attempt to open, disassemble, or service the battery pack.
- Do not crush, puncture, short external contacts, or dispose of in fire or water.
- Do not expose to temperatures above 60°C (140°F).
- Replace only with the battery pack designated for this product.
- Recycle or dispose of used battery as stipulated by local regulation.

To check the battery power

Do one of the following:

- Tap the battery level icon ( ) on the Today screen.
- Alternatively, tap **Start** > **Settings** > **Systems** tab > **Power**.



Battery power information

Charge the battery

The battery in the box is shipped partially charged. Before you start using your device, it is recommended that you install and charge the battery. Some batteries perform best after several full charge/discharge cycles. You can charge the battery in two ways:

- Charging the device's battery by using the power adapter.
- Connecting your device to a PC via the provided USB Sync cable.

Warning!

- Do not remove the battery from the device while you are charging it using the AC or car adapter.
- As a safety precaution, the battery stops charging when it overheats. Your device will use the power from the AC or car adapter to function.

Low battery

When the low-battery warning appears, do the following:

- Immediately save your current data.
- Connect the power adapter to charge the battery.
- Turn off your device.

1.3 Starting Up

Turn your device on and off

To turn on your device, press and hold the POWER button. When you turn on your device for the first time, a Quick Start Wizard will guide you through the calibration process and the setup of regional settings, date and time, password, Outlook e-mail, and POP3/IMAP4 e-mail accounts. For more information about touch screen calibration, see "Calibrate the device". For information about setting up Outlook e-mail and POP3/IMAP4 e-mail accounts, see Chapter 7.

To turn off your device, press and hold the POWER button for a few seconds. A message will then be displayed, prompting you whether or not to turn off the device completely.

Switching your device to Sleep mode

Quickly pressing the POWER button turns off the display temporarily and switches your device to **Sleep mode**. Sleep mode suspends your device to a low power state while the display is off in order to save battery power.

Your device also automatically goes into Sleep mode when you leave the device idle after a certain amount of time.

When the keyboard is attached to the LCD screen, pressing the POWER button toggles between turning on and off the subdisplay screen.

To specify the timeout period before your device goes into Sleep mode

1. Tap **Start** > **Settings** > **System** tab > **Power** > **Advanced** tab.
2. Under **On battery power**, make sure the **Turn off device if not used for** check box is selected.
3. Select the battery timeout period, then tap **OK**.

You will still be able to receive messages and calls while your device is in Sleep mode. Pressing the POWER button again or new incoming calls/ messages will wake up your device.

Calibrate the device

Calibrating the device screen involves tapping the center of a cross with the stylus as the cross moves around the screen. This process ensures that when you tap the screen with your stylus, the tapped item is activated.

If your device does not accurately respond to screen taps, follow these steps to re-calibrate it:

1. Tap **Start** > **Settings** > **System** tab > **Screen**.
2. On the **General** tab, tap **Align Screen**, then follow the on-screen instructions to complete the calibration.

Manage screen settings

The device's display has two orientation modes: **Landscape** and **Portrait**. Portrait mode allows you to get a better view or a better operation of certain programs, while Landscape mode may be optimal for viewing lengthy files.

- To change the orientation, tap **Start** > **Settings** > **System** tab > **Screen**, and select the orientation you want.
- To smooth the edges of screen fonts for many programs, on the **ClearType** tab, select the **Enable ClearType** check box.
- To increase the readability or to see more content on the screen, on the **Text Size** tab, adjust the text size by moving the slider.

1.4 The Today Screen

The Today screen displays important information, such as upcoming appointments and status indicators. You can tap a section on the screen to open the associated program.

- To access the Today screen, tap **Start** > **Today**.
- To customize the Today screen display, including the background image, tap **Start** > **Settings** > **Personal** tab > **Today**.

1 Tap to open the Start menu.

2 Tap to view connectivity status.

3 Indicates the radio signal strength. Tap to configure the phone settings.

4 Tap to adjust device/ringer volume.

5 Displays the current time. Tap to check the current date and upcoming appointments. Tap and hold to change the clock mode to Analog or Digital.

6 Displays the current date and time. Tap to set up date, time, alarm, and more.

7 Tap to set owner information.

8 Your day at a glance with reminders. Tap to open the related program: messages, tasks, and appointments.

9 Tap to lock the device. The icon changes to .
Tap **Unlock** on the Today screen to ulock again.

10 Tap to sign in to Pocket MSN

11 Indicates the battery status. Tap to open the Power Settings screen.
12 Tap to toggle the screen between portrait and landscape orientation.
13 Tap to open Calendar..
14 Tap to open the Backlight Settings screen.
15 .Tap to open QuickGPS
16 Tap to open Connections.
17 Tap to open Contacts
18 Tap to open Comm Manager
19 Tap to open TV Out

Indicators

The following are some of the status icons that you may see on the device.

Icon	Description
	New e-mail or text messages; SMS notification of voice mail
	New multimedia (MMS) message
	New MSN message
	There are more notifications. Tap the icon to view all.
	Speakerphone on
	Dialing while no USIM/SIM card is inserted
	Voice call in progress
	Calls are forwarded
	Call on hold
	Missed call
	Maximum signal strength
	No signal

Icon	Description
	Phone is turned off
	No phone service
	Searching for phone service
	3G UMTS network available
	UMTS connecting
	UMTS in use
	GPRS available
	GPRS connecting
	GPRS in use
	EDGE available
	EDGE connecting
	EDGE in use
	Roaming
	Connection is active
	Connection is not active
	Synchronization in progress
	Synchronization error
	ActiveSync notification
	Wi-Fi function enabled, but device not connected to a wireless network yet
	Wireless network(s) detected
	Connecting to wireless network (arrows moving); Connected to wireless network

Icon	Description
	Synchronizing via Wi-Fi
	Sound on
	Sound off
	Alarm
	No USIM/SIM card inserted
	VueFLO activated
	Battery is fully charged
	Battery power is very low
	Battery charging
	Bluetooth headset detected
	QuickGPS update notification
	GPRS Monitor currently active
	Serial USB connection active

Note:

The USB to PC () icon appears on the Today Screen when your device is connected to your computer and you enable a serial USB connection between them. For more information about USB to PC, see "Device Settings" later in this chapter.

The Start menu

The Start menu, located at the top left corner of the Today screen, displays a list of programs. You can start a program by scrolling through the programs list and then pressing the CENTER OK button, or by tapping a program with the stylus.

1. Tap to start a recently-used program.
2. Tap to switch to the Today screen.
3. Tap to start a program. The items displayed in the Start menu can be customized by tapping **Start** > **Settings** > **Personal** tab > **Menus**.
4. Tap to view and select more programs that are installed on your device.
5. Tap to change device settings.
6. Tap to see a Help topic for the current screen.

1.5 The Subdisplay

The Subdisplay lets you view notifications, music info, weather, temperature and time on a designated area on the LCD screen when the keyboard is attached to the LCD screen of the main unit. The Subdisplay is automatically activated when the keyboard is pressed against the LCD screen.

Note:

Weather, world time and temperature information are only available if the WorldMate® software is installed.

For more information regarding the Subdisplay, please refer to the Quick Start Guide.

1.6 Using the Programs

The following are some of the programs that are already installed on your device.

Icon	Description
	ActiveSync Synchronizes information between your device and a PC or the Exchange Server.
	Adobe Reader LE Allows you to view PDF files.
	Bluetooth Explorer Searches for other Bluetooth devices that have file sharing enabled and allows you to access their Bluetooth shared folder.
	Calculator Lets you perform basic arithmetic and calculations, such as addition, subtraction, multiplication, and division.
	Calendar Allows you to keep track of your appointments and create meeting requests.
	Camera Snaps photos or shoots video clips with accompanying audio.
	Contacts Allows you to keep track of your friends and colleagues.
	Download Agent Provides information about the download status and the downloaded content from the Internet.
	Excel Mobile Creates new workbooks or lets you view and edit Excel workbooks.
	File Explorer Enables you to organize and manage files on your device.
	Games Lets you play two pre-installed games: **Bubble Breaker** and **Solitaire**.
	Help Enables you to see Help topics for a program on your device.
	Internet Sharing Allows you to connect your notebook computer to the Internet using your device's data connection.
	Internet Explorer Mobile Allows you to browse Web and WAP sites as well as download new programs and files from the Internet.
	Messaging Allows you to send and receive e-mail, MMS, and text messages.

Icon	Description
	MIDlet Manager Enables you to download and install Java applications, such as games and tools, on your device.
	Notes Allows you to create handwritten or typed notes, drawings, and recordings.
	Phone Lets you make and receive calls, switch between calls, and set up conference calling.
	Pictures & Videos Lets you view, organize, and sort picture and video files on your device or a storage card. Captured photos are stored in the My Pictures folder, and video clips are saved in the My Videos folder of your device.
	Pocket MSN Lets you send and receive instant messages with your MSN Messenger contacts, as well as access your hotmail account, if you have one.
	PowerPoint Mobile Lets you view PowerPoint slides and presentations.
	QuickGPS Downloads satellite data over the Internet via ActiveSync, Wi-Fi or GPRS to speed up the time for determining your current GPS position.
	SAPSettings Enables Bluetooth Remote SIM access on your device. This allows you to use a car kit phone that supports the SIM Access Profile (SAP) to access the SIM card on your device via Bluetooth and make or receive phone calls. You can also download SIM contacts from your device onto the car kit phone.
	Spb GPRS Monitor Can be installed to your device from the applications CD. It measures the amount of data transfers that you have made via the GPRS or GSM network connection, and calculates network usage costs.
	Search Enables you to search contacts, data, and other information on your device.
	SIM Manager Allows you to manage the contacts that are stored on your SIM card. You can also use this program to copy SIM contents to Contacts on your device.
	STK (SIM Tool Kit) Service Allows you to access information and other services offered by your wireless service provider.
	Tasks Allows you to keep track of your tasks.

Icon	Description
	Voice Recorder Allows you to record a voice clip and quickly send it through MMS or e-mail, beam it or set it as a ringtone.
	Voice commander Allows you to dial a phone number or launch programs simply by speaking a word.
	Windows Media Player Mobile Lets you play back video and audio files.
	Word Mobile Lets you create, view, and edit Word documents.
	ZIP Enables you to save memory and free up storage space on your device by compressing files in the conventional ZIP format.

1.7 Device Settings

You can adjust the device settings to suit the way you work. To see all available settings, tap **Start > Settings**, then tap the **Personal**, **System**, and **Connections** tabs located at the bottom of the screen.

Personal tab

Icon	Description
	Buttons Assigns a program or function to a hardware button.
	Input Sets options for each of the input methods.
	Lock Sets a password for your device.
	Menus Sets what programs will appear in the Start menu.
	Owner Information Allows you to enter your personal information on your device.
	Phone Allows you to customize phone settings such as ring tone, set a PIN number for your SIM card, and more.
	Sounds & Notifications Enables sounds for events, notifications, and more, and allows you to set the type of notification for different events.

Icon	Description
	Today Allows you to customize the appearance and the information to be displayed on the Today screen.
	Voice Commander Settings Allows you to create voice tags for voice dialing contacts and SIM contacts as well as for launching programs.

System tab

Icon	Description
	About Allows you to specify a name for your device. Also shows the Windows Mobile version and copyright information.
	Backlight Sets the backlight timeout and brightness.
	Certificates Shows information about certificates that are installed on your device.
	Clear Storage Removes all your data and files from the memory and resets your device to factory default settings.
	Clock & Alarms Switches the device clock to the date and time of your locale or to a visiting time zone when you're traveling. Alarms can also be set at specified days and times of a week.
	Device Information Shows information about the firmware version, hardware, identity, and the duration of calls made on your device.
	Error Reporting Enables or disables the device's error reporting function. When this function is enabled and a program error occurs, technical data about the state of the program and your computer will be logged in a text file and delivered to Microsoft's technical support if you choose to send it.
	Format Microdrive Lets you erase all data and quickly format the Microdrive in your device.
	GPS Configures GPS connection settings.
	Key Lock Locks the buttons on your device except for the POWER button when the device is in Sleep mode. This ensures you will not switch the device on by accident and consume unnecessary power.
	Memory Shows the device memory allocation status and memory card information. Also allows you to stop currently running programs.

Icon	Description
	Microphone AGC Adjusts the volume of your voice automatically when you are recording.
	Power Shows the current battery level. Also allows you to set the timeout for turning off the display (switching device to Sleep mode) to conserve battery power.
	Regional Settings Sets the regional language to use and the format for displaying numbers, currency, date, and time on your device.
	Remove Programs Lets you remove programs that you installed on your device.
	Screen Allows you to change the screen orientation, re-calibrate the screen, and change the screen text size.
	Task Manager Enables the "X" button to end running programs.
	TV Out Allows you to output the contents you are viewing on the device screen to an external display device.
	VueFLO Opens the VueFLO settings where you can adjust the sensitivity level of VueFLO and choose the Web browser where VueFLO can be enabled. VueFLO lets you scroll through Web pages by simply tilting your device. In VueFLO, tap **Tutorial** to learn how to use VueFLO.

Connections tab

Icon	Description
	Beam Enables your device to receive incoming Bluetooth beams.
	Bluetooth Turns Bluetooth on, sets your device to visible mode, and allows you to scan for other Bluetooth devices.
	Comm Manager Allows you to manage the device's connection (including Wi-Fi, Bluetooth, and ActiveSync), disconnect data services (such as GPRS), turn the phone on or off, and enable or disable the Direct Push function.
	Connections Sets up one or more types of modem connections for your device, such as phone dial-up, GPRS, Bluetooth, and more, so that your device can connect to the Internet or a private local network.
	CSD Line Type Sets the line type to use when making a circuit switch data (CSD) connection. Normally, you do not need to change the setting unless you encounter a problem on establishing a connection.
	GPRS Setting Sets the GPRS authentication method. Consult your wireless service provider first before changing this setting.
	SMS Service Enables sending of SMS text messages via a data connection, such as GPRS or a circuit-switched connection. This can be used only if your wireless service provider supports this service.
	USB to PC Sets the USB connection between your device and PC, and helps with problems connecting ActiveSync.
	Wi-Fi Allows your device to scan for available wireless networks.
	Wireless LAN Shows information about the active wireless network, and allows you to customize Wi-Fi settings.

Chapter 2

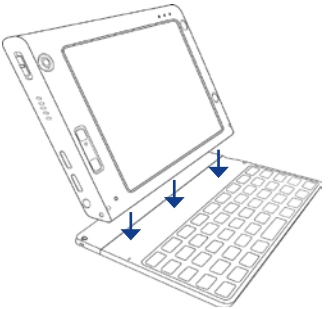
Entering and Searching for Information

2.1 Using the Hardware Keyboard
2.2 Entering Information
2.3 Using the On-screen Keyboard
2.4 Using Letter Recognizer
2.5 Using Block Recognizer
2.6 Using Transcriber
2.7 Using Symbol Pad
2.8 Using Notes to Draw, Write, and Record Voice Notes
2.9 Searching for Information

2.1 Using the Hardware

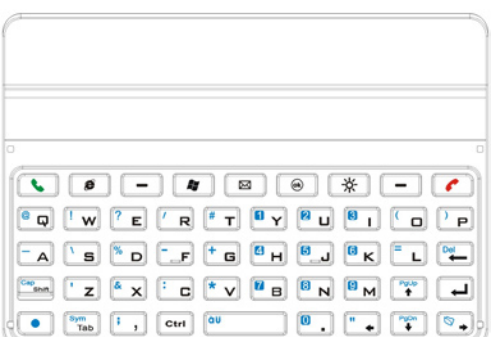
Your device provides you with a **QWERTY** keyboard, which is similar to a standard keyboard on your PC. To use the QWERTY keyboard, attach the main unit to the keyboard (as shown in the image). The main unit securely attaches itself to the keyboard through a magnet.

To separate the main unit from the keyboard, simply pull them apart.



Note:
When separating the keyboard from the main unit, please do so in a gentle way.

Warning!
Please avoid placing credit cards, diskettes, audio or video cassettes or any other form of magnetic data carriers near the device or the keyboard as this could otherwise lead to loss of data stored on such objects. Other magnetic sensitive devices like a mechanical wristwatch should also not be placed near the device or keyboard.



You can do the following with the QWERTY keyboard:

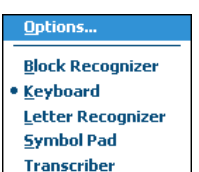
- To type lowercase letters, press the keys using your thumbs or fingers.
- To use all uppercase letters, press first, then press . To change back to all lowercase letters, press these buttons again.
- To use a single uppercase letter, press and then press the corresponding key.
- To enter a number or symbol (labeled in blue color), press and then press the corresponding key.
- To open the Symbol Pad, press and then press .
- Press the Left/Right SOFT KEY / to perform the command shown in the label above the key.
- Press to verify your data entries or exit the program in use.
- Press to open the Start menu.
- Press the arrow keys / / / for directional movement.
- To type accented characters (like á, ã, ç, ê, í, ó, ü, etc), press the letter key first and then, hold and at the same time press the space bar several times until you find the correct character you need.
- Press to open the Messaging program.
- Press to answer a call, make a call or send a message. Press and hold to toggle between enabling and disabling the speakerphone.
- Press to end a call or cancel a message.
- Press to adjust the brightness of the screen.
- Press to open the Internet Explorer Mobile Browser.

2.2 Entering Information

When you start a program or select a field that requires text or numbers, the **Input Panel** icon becomes available on the menu bar.

Tap the **Input Selector** arrow (that appears next to the **Input Panel** icon) to open a menu where you can select a text input method and customize input options. After selecting a text input method, the corresponding **Input Panel** is then displayed and you can use it to enter text. To toggle between showing and hiding the Input Panel, simply tap the **Input Panel** icon.

Icon	Input method
	On-screen keyboard
	Letter Recognizer or Block Recognizer
	Symbol Pad
	Transcriber



Note:

Some text input methods may not be available in certain language versions of the device.

2.3 Using the On-screen Keyboard

The on-screen **Keyboard** is available when text entry is possible. You can enter text by tapping keys on the keyboard that are displayed on the screen.

To enter text using the on-screen Keyboard

1. In a program, tap the **Input Selector** arrow, and tap **Keyboard**.
2. Enter text by tapping keys on the on-screen Keyboard.

To enlarge the on-screen Keyboard

1. Tap the **Input Selector** arrow, then tap **Options**.
2. In the **Input method** list, select **Keyboard**.
3. Tap **Large keys**.

2.4 Using Letter Recognizer

With **Letter Recognizer**, you can write individual letters, numbers, and punctuation, which are then converted into typed text.

To use Letter Recognizer

1. From a program, tap the **Input Selector** arrow, and tap **Letter Recognizer**.
2. Write characters, numbers, and symbols in the designated writing area.
   - Enter capital letters by writing in the **ABC** (left) area of the box.
   - Enter lower case letters by writing in the **abc** (middle) area of the box.
   - Enter numbers by writing in the **123** (right) area of the box.
   - Enter punctuation and symbols by tapping in either area of the box and then writing the desired character.

Note:
Letter Recognizer is available when text entry is possible.

Tip:
For help with writing characters, tap the question mark near the writing area.

2.5 Using Block Recognizer

With **Block Recognizer**, you use a single stroke to write letters, numbers, symbols, and punctuation, which are then converted into typed text.

To use Block Recognizer

1. From a program, tap the **Input Selector** arrow, and tap **Block Recognizer**.
2. Write characters, numbers, and symbols in the designated writing area.
   - Enter letters by writing in the **abc** (left) area of the box.
   - Enter numbers by writing in the **123** (right) area of the box.
   - Enter symbols and punctuation by tapping in either area of the box and then writing the desired character.

Note:
Block Recognizer is available when text entry is possible.

Tip:
For help with writing characters with **Block Recognizer**, tap the question mark near the writing area.

2.6 Using Transcriber

Transcriber is a handwriting recognition program that allows you to write in cursive, print, or a combination of both. Transcriber works transparently in the background of programs, recognizing words with its integrated dictionary. When Transcriber is turned on, it interprets stylus movement anywhere on the screen as handwriting input. For more information about using Transcriber, see Help on your device.

To start Transcriber

1. Start a program that accepts user input, such as Word Mobile.
2. Tap the **Input Selector** arrow, and tap **Transcriber**. The Transcriber introductory screen appears.

To write using Transcriber

1. In a program, position the cursor where you want text to appear.
2. Use the stylus to write anywhere on the screen. The handwriting will be converted to text shortly after you lift the stylus from the screen.

To enter punctuation and symbols

Transcriber comes with an on-screen keyboard that provides an easy way to add punctuation or a special symbol to existing text.

- From a program, tap on the Transcriber toolbar.

The keyboard remains visible until you tap the button again.

Tips:

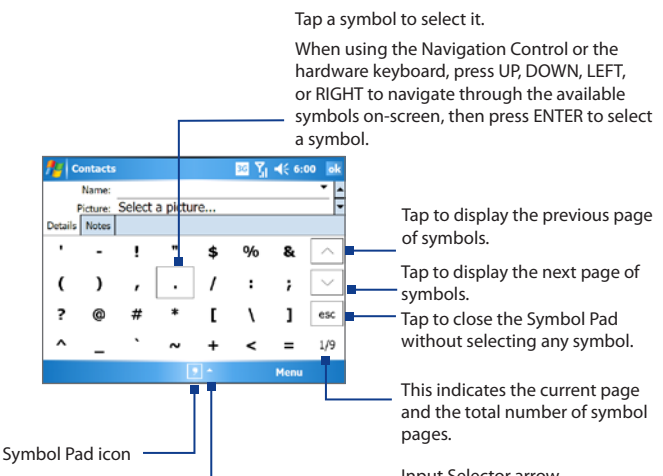
- To reposition the keyboard, tap and hold the title bar, then drag to the desired location.
- When no text is selected, you can also open the keyboard by doing the gesture. For more information about using Transcriber gestures, see Help on your device.

To edit text

1. In a program, draw a line across the text you want to edit.
2. After you lift the stylus from the screen, the line will disappear and the selected text will be highlighted.
3. Do either of the following:
   - Rewrite the text.
   - Use gestures to capitalize letters, insert a space, and so on. For information about using Transcriber gestures, see Help on your device.

2.7 Using Symbol Pad

Symbol Pad provides a comprehensive list of common symbols such as parentheses, brackets, currency signs, and more, as well as punctuation marks and special characters.


Tap a symbol to select it.
When using the Navigation Control or the hardware keyboard, press UP, DOWN, LEFT, or RIGHT to navigate through the available symbols on-screen, then press ENTER to select a symbol.
Contacts
6:00
ok
Name:
Picture:
Select a picture...
Details
Notes
esc
1/9
Menu
Tap to display the previous page of symbols.
Tap to display the next page of symbols.
Tap to close the Symbol Pad without selecting any symbol.
This indicates the current page and the total number of symbol pages.
Symbol Pad icon
Input Selector arrow

To open the Symbol Pad and select a symbol

1. Create or open a document, such as a Word document.
2. To open the Symbol Pad:
   - Tap the **Input Selector** arrow, then tap **Symbol Pad**; or
   - Using the hardware keyboard, press [●] and then press [Sym Tab].
3. To browse through the pages of symbols, tap [∨] / [∧] on the Symbol Pad screen.
4. Tap a symbol to select it and close the Symbol Pad. The selected symbol will then be inserted in your document.

2.8 Using Notes to Draw, Write, and Record Voice Notes

Using **Notes**, you can draw directly on the screen, or write on the screen and save notes in your own handwriting. You can also create a stand-alone recording (voice note) or you can add a recording to a note.

For more information on what you can do with Notes, see "Notes" in Chapter 7.

2.9 Searching for Information

You can search for files and other items stored in My Documents folder or on an installed storage card of your device. You can search by file name or by words located in the item. For example, you can search in e-mail messages, notes, appointments, contacts, and tasks, as well as in online Help.

To search for a file or an item

1. Tap **Start** > **Programs** > **Search**.
2. In the **Search for** field, you can:
   - Enter the file name, word, or other information you want to search for.
   - Tap the down arrow icon (▼), and from the list, select one item that you have looked for before.
3. In the **Type** field, you can tap the down arrow icon (▼) and select a data type from the list to help narrow your search.
4. Tap **Search**. The system start searching the matched files in **My Documents** folder and subfolders.
5. In the **Results** list, tap the item you want to open.

Note:

The symbol is displayed next to the names of files saved on a storage card or the Microdrive.

Chapter 3

Using Phone Features

3.1 Using the Phone
3.2 Making a Call
3.3 Receiving a Call
3.4 Making a Video Call
3.5 Receiving a Video Call
3.6 Smart Dialing
3.7 In-call Options
3.8 Additional Dialing Information
3.9 Setting Up Bluetooth SIM Access for Car Kit Phones

3.1 Using the Phone

Like a standard mobile phone, you can use your device to make, receive, and keep track of calls and send SMS/MMS messages. You can also dial directly from Contacts, and easily copy phonebook entries from your SIM card to Contacts on your device.

The Phone screen

From the Phone screen, you can access Call History, Speed Dial, and Phone settings. To open the Phone screen, tap **Start > Phone**.

Enter your PIN

Most SIM cards are preset with a PIN (personal identification number) that is provided by your wireless service provider. You need to enter the PIN whenever you use your device.

1. Enter the preset PIN assigned by your wireless service provider.
2. Tap **Enter**.

Note:
If your PIN is entered incorrectly three times, the SIM card will be blocked. If this happens, you can unblock it with the PUK (PIN Unblocking Key) obtained from your wireless service provider.

Turn the phone function on and off

In many countries, you are required by law to turn off your phone while on board an aircraft.
To turn off the phone function, do one of the following:

- Tap the **Comm Manager** icon ( ) on the Today screen. On the Comm Manager screen, tap the **Phone** button to turn off the phone function.

  To resume call function, turn on the phone function by tapping the **Phone** button again on the Comm Manager screen.

- Tap the **Flight Mode** button in Comm Manager. This disables all wireless radios on your device, which include the phone function, Bluetooth, and Wi-Fi.

  To resume call function, tap the **Flight Mode** button again in Comm Manager. This also restores the previous state of Bluetooth, but keeps Wi-Fi disabled..

Adjust the device volume

1. Tap the **Speaker** icon ( ).
2. Under **Volume**, do the following:
   - Adjust the phone volume ( ) or device volume ( ) by moving the slider to the desired volume level.
   - Tap **On** or **Off** to change both the system and ringer volume settings.

Volume adjustment

Note:

To adjust the conversation phone volume, you must do it during a call. Adjusting the volume at another time will affect the ring, notification, and MP3 sound levels.

3.2 Making a Call

With your device, you can make a call from **Phone**, **Contacts**, **Speed Dial**, **Call History**, and **SIM Manager**.

IMPORTANT You need to have a wired or Bluetooth headset connected to your device to talk to or to hear the other party.

Make a call from Phone

1. Tap **Start** > **Phone**.
2. On the Phone screen, tap the desired phone number, and tap **Talk**.

Phone screen

Tip:

If you tap a wrong number, tap the Back arrow ( ) to erase each ubsequent digit of a number. To erase the entire number, tap and hold the Back arrow.

Make a call from Contacts

Tap **Start > Contacts**, then do one of the following:

- Tap the desired contact in the contacts list, and tap the phone number that you want to call.
- Tap and hold the desired contact, and on the shortcut menu, tap **Call Work**, **Call Home**, or **Call Mobile**.

To choose one of the numbers of a contact to dial

By default, the mobile telephone number (m) of a contact is dialed when you make a call from Contacts. However, you can specify that a different phone number is dialed instead.

1. Tap **Start > Contacts**.
2. Use the NAVIGATION CONTROL to select a contact.
2. Press NAVIGATION right or left. The letters representing the number will change as you scroll through them.

Make a call from Call History

1. On the Phone screen, tap **Call History**.
2. You can either scroll through all calls in Call History, or tap **Menu > Filter** and select from a category of call types.
3. Scroll to the desired contact or phone number, and tap **Call**.

Make a call from Speed Dial

Use **Speed Dial** to call frequently-used numbers with a single tap. For example, if you assign a contact to the location **2** in Speed Dial, you can simply tap and hold

on the Phone screen to dial the contact's number. Before you can create a Speed Dial entry, the number must already exist in Contacts.

To create a Speed Dial entry

1. On the Phone screen, tap **Speed Dial**.
2. Tap **Menu > New.**
3. Tap a contact. Select the phone number that you want to add to Speed Dial.
4. In the **Location** box, select an available location for the new Speed Dial entry.

Note:
Location 1 is generally reserved for your voice mail, and Speed Dial will designate the next available location by default. If you want to place a phone number in a position that is already occupied, the new number will replace the number that is already there.

Tips:
- To create a Speed Dial entry from Contacts, tap and hold the contact name, tap **Add to Speed Dial**, then select the phone number for which to create a Speed Dial and an available location for the new Speed Dial entry.
- To delete a Speed Dial entry, in the **Speed Dial** list, tap and hold the desired entry, and tap **Delete**.

Make a call from SIM Manager

SIM Manager allows you to view the contents of your SIM card, transfer SIM phonebook entries to Contacts on your device, and make a call from your SIM card.

To call a SIM contact

1. Tap **Start > Programs > SIM Manager**. Wait for your SIM card contents to load.
2. Tap and hold the name or phone number of the person you want to call, and tap **Call**.

3.3 Receiving a Call

When you receive a phone call, a message will appear, giving you the option to either answer or ignore the incoming call.

IMPORTANT You need to have a wired or Bluetooth headset connected to your device to talk to or to hear the other party.

To answer or reject an incoming call

- To answer the call, tap **Answer**.
- To reject the call, tap **Ignore**.

To end a call

Once an incoming or outgoing call is in progress, you can tap **End** on the device to hang up.

3.4 Making a Video Call

Your device allows you to make video calls when you are within a 3G network coverage area. You need to use a 3G enable SIM card to make video calls.

IMPORTANT You need to have a wired or Bluetooth headset connected to your device to talk to or to hear the other party.

To make a video call

- On the Phone keypad, tap the phone number to call, then tap

to start a video call.
- From Contacts, tap and hold the desired contact, and tap **Video Call**.
- From Call History, tap and hold the desired phone number or contact, and tap **Video Call**.

Note:

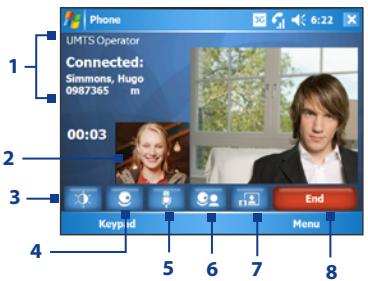
The other party's image will appear on the screen about 3 to 5 seconds after a connection is established, depending on the signal strength. The streaming images quality may also be influenced by the signal.

When the video call is unsuccessful, a message pops up asking you if you want to try again, make a voice call instead, or send an SMS/MMS message.

Change Video Call settings

While on a video call, you can change certain settings such as the size of the image, brightness of the image, the camera to use, and more.

The following shows the Video Call screen and control buttons during an ongoing call.



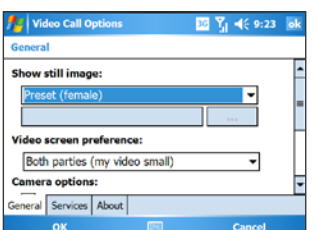
1. **Status area**. Displays your service provider name, the other party's information, and call timer.
2. **Image display area**. Displays your image and the other party's image, depending on the selected Swap Image setting.
3. **Brightness Control**. Tap to adjust the camera's brightness.
4. **Camera On/Off**. Tap to toggle between turning on/off the camera. When the camera is turned off, the image displayed depends on the Video Call options you have set. See "Set up Video Call Options" for details.
5. **Audio Mute/Unmute**. Tap to mute/unmute audio.
6. **Main/Second camera**. Tap to toggle between using the Main (back) and Second (front) camera.
7. **Swap Image**. Tap continuously to cycle through the available image display options.
8. **End**. Tap to end the video call.

Swap Image options

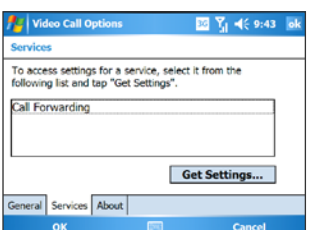
Both parties (My video small)	The other party's image is large while your image is small. This is the default setting.
Both parties (My video large)	The other party's image is small while your image is large.
Both parties (equal)	Both your image and the other party appear the same size.
Other party only	Only the other party's image is displayed.

Set up video call options

On the Phone screen, or on the screen of the ongoing video call, tap **Menu** > **Video Call Options**. You can set the following options:



Video Call Options: General tab



Video Call Options: Services tab

General tab

- **Show still image**. Select the image you want to display when you turn off the camera.
  - **Preset (female)**. Displays a female picture provided by your service provider.
  - **Preset (male)**. Displays a male picture provided by your service provider.

- **Custom image**. Lets you use an image from file as your display picture. When this option is selected, the File Name box and the Browse button will be enabled, allowing you to select an image file.
- **Last video frame**. Uses the last video frame before you stopped the camera as your display image.

- **Video screen preference**. To change how your image and the other party's image are displayed on the screen, select your preference from the **Video screen preference** list or tap the **Swap Image** button on the Video Call screen.
- **Camera options**:
  - **Flip the 2nd camera video**. Select this check box if you are going to show a text document to the other party using the second camera.
  - **Switch camera off when answering video call**. Select this check box to not send a video feed of yourself to the other party. Instead, the option you selected in **Show still image** will be displayed.
- **Display info**:
  - **Show call timer**. Select this check box to display the call period in the status area.
  - **Show phone number and name**. Select this check box to display the other party's phone number and name in the status area.

Services tab

To set up further calling options for Video Call, tap the **Services** tab. On the Services screen, select the desired service from the list, then tap **Get Settings** to access its settings.

3.5 Receiving a Video Call

IMPORTANT You need to have a wired or Bluetooth headset connected to your device to talk to or to hear the other party.

To answer or reject an incoming video call

- To answer the video call, tap **Answer**.
- To reject the video call, tap **Ignore**.

To end a video call

Once an incoming or outgoing video call is in progress, you can tap **End** to hang up.

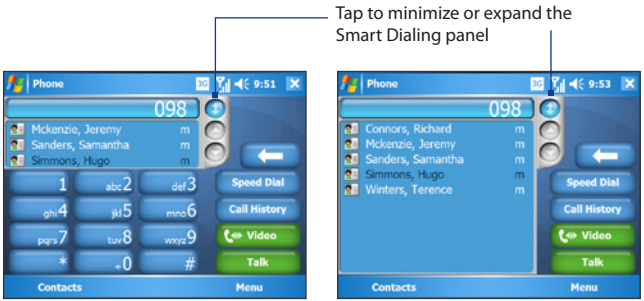
3.6 Smart Dialing

Smart Dialing is a program that makes it easy for you to dial a phone number. When you start entering numbers or characters, Smart Dialing will automatically search and sort the contact entries on the SIM card, in Contacts, and the phone numbers in Call History (including incoming, outgoing, and missed calls). You can then select the desired number or contact from the filtered list to dial.

Start Smart Dialing

Open the Phone screen, then tap the keys on the Phone keypad that correspond to the phone number or contact you want to call.

When you start entering a number or letter, the Smart Dialing panel will appear automatically on the Phone screen. You can change the panel size according to your needs by tapping the arrow icon .



Portrait view with minimized Smart Dialing panel

Landscape view with expanded Smart Dialing panel

Tips on using Smart Dialing

Smart Dialing starts looking for numbers or contacts that match the sequence you have entered. Below are some tips on how to use Smart Dialing to quickly find a desired phone number or contact.

To find a phone number

- Simply enter the first one or two digits to find a phone number in Call History.
- Enter the first three digits or more if you want to find a phone number from the saved contacts on your device and SIM card.

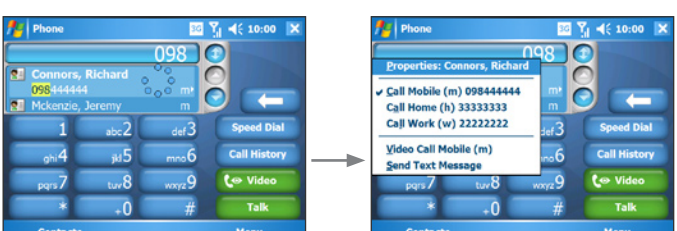
To find a contact name

You can just enter the first letter of a contact's first name or surname. Smart Dialing will search for the letter starting from the first character of a contact name as well as from the character that appears after a space, dash, or underscore in a contact name. For example, if you tap number "2" which is associated with [a, b, c] on the Phone keypad, contact names such as the following will be considered matches: "**B**en Miller", "George **A**dams", "John-**C**arter", "**C**arter, Ellen", "Dixon, **A**llan", "Thomas_**C**lark", "Jane**C**ampbell".

If the matching list is long and you want to narrow down the search further, enter another letter. Using the same example above, if you continue to tap "3" which is associated with [d, e, f], the matching list will be narrowed down to the following names: "**Be**n Miller", "George **Ad**ams", "**C**arter, **E**llen", "**D**ixon, **A**llan".

Make a call or send a text message using Smart Dialing

1. Begin entering the first few numbers or characters.
2. In the Smart Dialing panel, browse the list by tapping the arrows (/) or pressing NAVIGATION up or down to select the desired contact or phone number. When a contact is selected, it expands to also show the corresponding phone number.
3. The highlighted item will move one line when you press NAVIGATION up or down; the highlighted item will scroll one page when you tap the arrows.
4. Do one of the following:
   - When the correct contact is selected, tap **Talk** to make a voice call.
   - To call a different phone number associated with the selected contact, tap and hold the selected contact, and tap the phone number you want to call.



Tap and hold the contact to pop up the shortcut menu

- To send a text message to the selected contact, tap and hold the contact, and tap **Send Text Message**.

Tip:
To view or edit information associated with the selected contact, tap the contact's name on the shortcut menu (applies only to entries stored in Contacts on your device).

Set up Smart Dialing

1. On the Phone screen, tap **Menu** > **Smart Dialing Options**.
2. On the **Options** tab, select the **Enable Smart Dialing** check box.
   - Select the **Automatically expand selected contact** check box to enable a contact's name and phone number to be displayed when the contact is selected in the matching list.
   - Select the **Enable drag-scroll** check box to scroll in the matched list by dragging.
   - Select the **Enable double-click for dialing** check box to make a voice call by double-tapping the item in the matched list.
   - Select the **Expand panel when using hardware keyboard** check box to automatically expand the Smart Dialing panel when you are using the hardware keyboard to input.
   - In **Scroll unit**, you can set the amount of scrolling when tapping the arrows (/).

3.7 In-call Options

To put a call on hold

Your device notifies you when you have another incoming call, and gives you the choice of rejecting or accepting the call. If you are already on a call and accept the new call, you can choose to switch between the two callers, or set up a conference call between all three parties.

1. Tap **Answer** to take the second call, and put the first one on hold.
2. To end the second call and return to the first call, tap **End** on the device.

To switch between two calls

- Tap **Swap**.

To set up a conference call

1. Either put a call on hold, and dial a second number; or, accept a second incoming call when you already have one in progress.
2. Tap **Conference**.

Note:

Not all service providers support conference calling. Contact your service provider for details.

To turn on and off the Speakerphone

The built-in Speakerphone on your device allows you to talk hands-free or lets other people listen to the conversation.

- During a call, tap **Speaker On**. The speakerphone icon ( ) appears in the title bar.
- To turn off the speakerphone, tap **Speaker Off**.

Warning!

To avoid damage to your hearing, do not hold your device against your ear when the Speakerphone is turned on.

To mute a call

You can turn off the microphone during a call, so that you can hear the caller but the caller cannot hear you.

- During a call, tap **Mute**.
- When the microphone is turned off, the mute icon ( ) appears on the screen. Tap **Unmute** to turn on the microphone again.

3.8 Additional Dialing Information

Make an emergency call

- Enter the international emergency number for your locale, and tap **Talk**.

Tip:
Additional emergency numbers may be included in your SIM card. Contact your service provider for details.

Make an international call

1. Tap and hold on the Phone keypad until the **+** sign appears. The **+** replaces the international prefix of the country that you are calling.
2. Enter the full phone number you want to dial, and tap **Talk**. The full phone number includes country code, area code (without the leading zero, if any) and phone number.

3.9 Setting Up Bluetooth SIM Access for Car Kit Phones

Car kit phones that support the SIM Access Profile (SAP) can connect to your device and access its SIM card via Bluetooth. Once a SAP connection has been established, you can download SIM contacts from your device to the car kit phone. You can also use the car kit phone to answer and make calls using your device's SIM card.

Notes:

- To enable downloading contacts onto the car kit, ensure that all contacts on the device are stored in the SIM card and not in the device memory. Configure the car kit to download contacts only from the SIM card.
- Contact your wireless service provider to find out which car kit phone models are compatible with your device.

1. On your device, make sure that Bluetooth is turned on and set to visible mode. For information about turning on Bluetooth and enabling visible mode, see "Bluetooth modes" in Chapter 6.
2. Tap **Start** > **Programs** > **SAPSettings**.

3. On the BT Remote SIM Access screen, select the **Remote SIM Access** check box then tap **Done**.
4. Connect the car kit phone to your device via Bluetooth. To learn how to connect, consult your car kit phone's manual.
5. If this is the first time you are pairing the car kit phone with your device, enter the car kit's passcode on your device.
6. A pop-up message should appear on your device saying that a connection has been established between your device and car kit phone. Tap **OK**.
7. On the BT Remote SIM Access screen, tap **Done**.

Note:

You will not be able to make/receive calls, send/receive messages or perform related activities on your device when the SIM Access Profile connection is active. You'll be able to do all these from the car kit phone during this time. After the connection is disconnected, you will be able to use your device as before.

Chapter 4

Synchronizing Information and Setting Up E-mail Security

4.1 Setting Up ActiveSync

4.2 Synchronizing Information

4.3 Synchronizing via Bluetooth

4.4 Synchronizing Music, Video, and Pictures

4.5 Setting Up E-mail Security

4.1 Setting Up ActiveSync

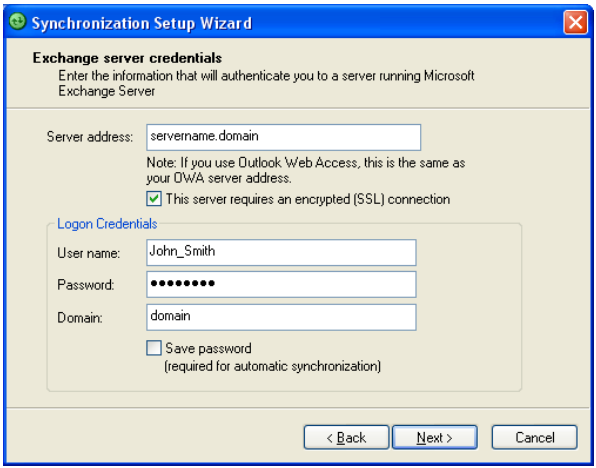
Microsoft ActiveSync synchronizes information on your device with information on your PC, such as Microsoft Outlook content. ActiveSync can also synchronize over a wireless or cellular network with Microsoft Exchange Server, if your company or service provider is running Microsoft Exchange Server with Exchange ActiveSync.

Specifically, you can use ActiveSync to:

- Synchronize information such as Outlook E-mail, Contacts, Calendar, or Tasks information, as well as media files such as pictures, video, and music between your device and your PC.
- Synchronize Outlook E-mail, Contacts, Calendar appointments, and Tasks on your device directly with Exchange Server so that you can stay up-to-date even when your PC is turned off.
- Copy files between your device and your PC without synchronizing.
- Select which types of information are synchronized and specify how much information is synchronized. For example, you can choose how many weeks of past Calendar appointments to synchronize.
- Add and remove programs on your device. For details, see Chapter 5, "Adding and Removing Programs."

To install and set up ActiveSync on the computer

1. Install ActiveSync on your PC, as described in the Getting Started CD.
2. After ActiveSync is installed, the Synchronization Setup Wizard automatically starts when you connect your device to the PC. The wizard will guide you to create a synchronization relationship between your computer and device. Click **Next**.
3. Do not select the **Synchronize directly with a server running Microsoft Exchange Server** check box if you want to synchronize your device with a computer. Just click **Next**, then skip to step 8.
4. If you want to synchronize your device with Exchange Server, select the **Synchronize directly with a server running Microsoft Exchange Server** check box, then click **Next**.
5. On the Exchange server credentials screen, enter the Exchange server address, your user name and password, and the domain name.


Synchronization Setup Wizard
Exchange server credentials
Enter the information that will authenticate you to a server running Microsoft Exchange Server
Server address:
servername.domain
Note: If you use Outlook Web Access, this is the same as your OWA server address.
This server requires an encrypted (SSL) connection
Logon Credentials
User name:
John_Smith
Password:
Domain:
domain
Save password (required for automatic synchronization)
< Back
Next >
Cancel

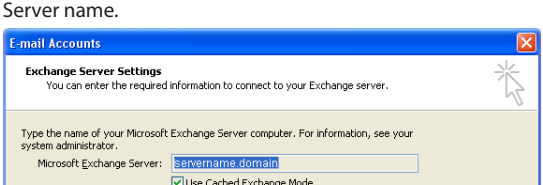
If you do not know the Exchange server address and the domain name, check with your network administrator, or do the following to find them in your computer:

a. In Outlook, click **Tools > E-mail Accounts**.

b. Select **View or change existing e-mail accounts**.

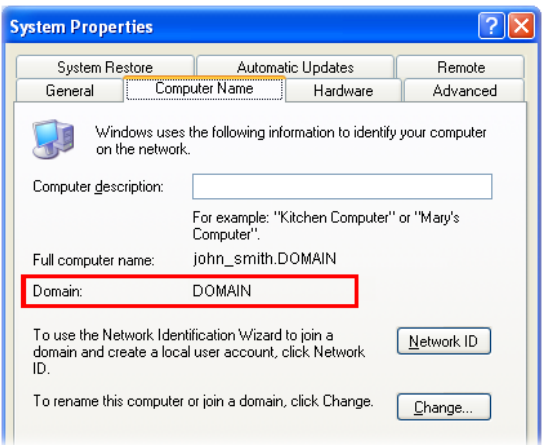
c. Double-click **Microsoft Exchange Server**.

d. On the Exchange Server Settings screen, you will see the Exchange Server name.


E-mail Accounts
Exchange Server Settings
You can enter the required information to connect to your Exchange server.
Type the name of your Microsoft Exchange Server computer. For information, see your system administrator.
Microsoft Exchange Server:
servername.domain
Use Cached Exchange Mode

e. To check the domain name, click **Start** > **Settings** > **Control Panel**, then double-click **System**.

f. In the System Properties dialog box, click the **Computer Name** tab. You will then see the domain name.

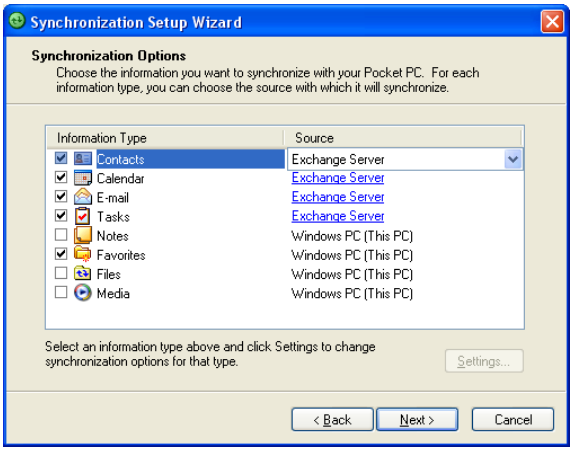


6. On your device, you also need to enter the Exchange server settings. For information about this, see "Synchronize Outlook information with Exchange Server."
7. On the Synchronization Setup Wizard, click **Next**.
8. Select the information types to synchronize between your device and computer.

   If you want to synchronize your device with both your computer and Exchange Server, do the following:

   a. For the Contacts, Calendar, E-mail, and Tasks items, choose whether to synchronize them with the computer or with the Exchange Server. These items cannot be synchronized to both.

   b. Select the check boxes of the other information types if you want to synchronize them with your computer.



Information types on the PC and Exchange Server

9. Click **Next**.
10. Click **Finish**.

When you finish the wizard, ActiveSync synchronizes your device automatically. Once synchronization completes, you can disconnect your device from your PC.

4.2 Synchronizing Information

When you connect your device to the PC using a USB cable or a Bluetooth connection, ActiveSync will immediately synchronize. While your device is connected, ActiveSync synchronizes every time you make a change on either the PC or your device.

To manually start and stop synchronization

1. Connect your device to the PC:
   - To synchronize Outlook information and other local information on the PC, including media files, connect your device to the PC using Bluetooth or a USB cable.
   - If you are synchronizing directly with Exchange Server, you can use this connection to the PC to "pass through" to the network, or you can synchronize without connecting to the PC over a cellular network.
2. In ActiveSync, tap **Sync**. To end synchronization before it completes, tap **Stop**.

Note:

ActiveSync 4.x utilizes a network type of connection with Windows Mobile powered devices, since this allows faster data transfer than a serial USB connection. When the PC is connected to the Internet or a local network, in some cases, the PC may disconnect the ActiveSync connection with your device in favor of the Internet or network connection. If this happens, tap **Start > Settings > Connections** tab **> USB to PC**, then clear the **Enable advanced network functionality** check box. This makes ActiveSync utilize a serial USB connection with your device.

The USB to PC ( ) icon appears on the Today Screen when your device is connected to your computer and you enable a serial USB connection between them.

Synchronize Outlook information with the computer

If you have set up a synchronization relationship between your device and the PC, synchronization keeps Outlook information up-to-date on both your device and PC.

You can also set up your device to synchronize with more than one PC or with a combination of one or more PCs and Exchange Server. When synchronizing with multiple computers, the items that you synchronize will appear on all of the computers with which they are synchronized. For example, if you have set up synchronization with two PCs (PC1 and PC2), which have different items, and you synchronize Contacts and Calendar on your device with both computers, the result is as follows:

Location	New state
PC1	All Outlook contacts and calendar appointments that were on PC2 are now also on PC1.
PC2	All Outlook contacts and calendar appointments that were on PC1 are now also on PC2.
Pocket PC Phone	All Outlook contacts and calendar appointments from both PC1 and PC2 are on your device.

Note: Outlook e-mail can be synchronized with only one computer.

To change which information is synchronized

ActiveSync synchronizes a limited amount of information by default to save storage space on your device. You can change the amount of information that is synchronized by performing the following steps.

Note:

Before changing synchronization settings on your device, disconnect it from your PC.

1. In ActiveSync on your device, tap **Menu > Options**.
2. Do one or both of the following:
   - Select the check box for any items you want to synchronize. If you cannot select a check box, you might have to clear the check box for the same information type elsewhere in the list.
   - Clear the check box for any items you want to stop synchronizing.
   - To stop synchronizing with one PC completely, tap the PC and tap **Delete**.

Note:

To change available synchronization settings, select the type of information and tap **Settings**.

Synchronize Outlook information with Exchange Server

You can set up synchronization with Exchange Server on your device, if it is available to you through your company or wireless service provider. However, you should first gather information, such as Exchange Server name, domain name, your user name, and password, and then carry on with the steps. (For information about how to check the Exchange server name and domain on your PC, see "To install and set up ActiveSync on the computer.")

Note:

Before changing synchronization settings on your device, disconnect it from your PC.

To synchronize directly with Exchange Server

1. Do one of the following:
   - Tap **Start** > **Messaging**, then tap **Menu** > **Tools** > **New Account**. On the E-mail Setup screen, select **Outlook E-mail** in the **Your e-mail provider** list, then tap **Next**.
   - In ActiveSync on your device, tap **Menu** > **Configure Server**. If you have not yet set up synchronization with Exchange Server, this appears as **Add Server Source**.
2. In **Server address**, enter the name of the server running Exchange Server, and tap **Next**.
3. Enter your user name, password, and domain, and tap **Next**. To change the rules for resolving synchronization conflicts, tap **Advanced**.
4. Select the check boxes for the types of information items that you want to synchronize with Exchange Server.
5. To change available synchronization settings, select the type of information, and tap **Settings**.
6. Tap **Finish**.

Schedule synchronization with Exchange Server

You can schedule information to be synchronized automatically between your device and the Exchange Server, or schedule synchronization at regular time intervals. Choose between these two methods, depending on your e-mail volume and which method you think is more cost-effective.

To receive e-mails and synchronize other information instantly

Direct Push technology (push e-mail feature) enables you to receive new e-mails on your device as soon as they arrive in your Inbox on the Exchange Server. With this feature, items such as contacts, calendar and tasks are also immediately updated onto your device when these items have been changed or new entries have been added on the Exchange Server. To make Direct Push work, you need to have a GPRS connection on your device.

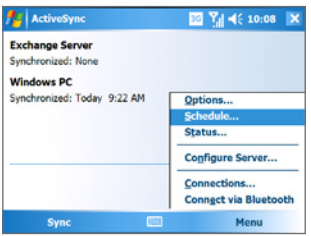
The Direct Push feature works for your device only if it is connected to a private network (corporate network) that is using Microsoft Exchange Server Service Pack 2 (SP2) with Exchange ActiveSync. You need to perform a full synchronization between your device and the Exchange Server first before Direct Push can be enabled.

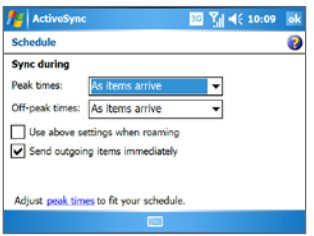
Using Comm Manager to enable Direct Push

1. On the Today screen, tap the **Comm Manager** icon ( ).
2. On the Comm Manager screen, tap the **Microsoft Direct Push** button. The button will turn to , which indicates that you will receive e-mails as they arrive.
   When the button is in the state, you need to manually retrieve your e-mails.

Using ActiveSync to enable Direct Push

1. In ActiveSync on your device, tap **Menu > Schedule**.
2. Select **As items arrive** in the **Peak times** and **Off-peak times** boxes.





Note:

When both the GPRS and Wi-Fi connections are turned on at the same time, the Direct Push feature will always opt for GPRS, for which you could be charged per your network operator's service plan.

To schedule synchronization at regular time intervals

You can set how often to synchronize during **Peak times** (which usually refer to your working hours) when e-mail volume is high, as well as **Off-peak times** when e-mail volume is low.

1. In ActiveSync on your device, tap **Menu > Schedule**.
2. Select a shorter time interval in the **Peak times** box for you to be able to receive e-mails more frequently.
3. Select a longer interval in the **Off-peak times** box.

Tip:

To set the days and hours that make up your peak and off-peak times, tap **Adjust peak times to fit your schedule**.

4.3 Synchronizing via Bluetooth

You can connect and synchronize your device with the PC using Bluetooth.

To synchronize with a computer via Bluetooth

1. Follow the instructions in ActiveSync Help on the computer for configuring Bluetooth on your computer to support ActiveSync.
2. On your device, tap **Start > Programs > ActiveSync**.
3. Tap **Menu > Connect via Bluetooth**. Make sure the Bluetooth function of both your device and the computer are turned on, and they are within close range.
4. If this is the first time you have connected to this computer via Bluetooth, you must first complete the Bluetooth wizard on your device and set up a Bluetooth partnership between your device and the computer. For more information about creating a Bluetooth partnership, see "Bluetooth partnerships" in Chapter 6.

Notes:

- To preserve battery power, turn off Bluetooth when not in use.
- To connect and synchronize your device with a computer via Bluetooth, your computer must have a Bluetooth adapter or dongle.

4.4 Synchronizing Music, Video, and Pictures

If you want to carry your music or other digital media along with you while you travel, ActiveSync works with Windows Media Player Mobile to synchronize music, video, and pictures with your device.

Other than selecting the Media information type in ActiveSync to be synchronized, all media synchronization settings must be set in Windows Media Player Mobile. Before media can be synchronized, you must do the following:

- Install Windows Media Player Version 10 on the PC. (Windows Media Player 10 works only in Windows XP or later versions).
- Connect your device to the PC with a USB cable. If your device is currently connected using Bluetooth, you must end that connection

before media can be synchronized.

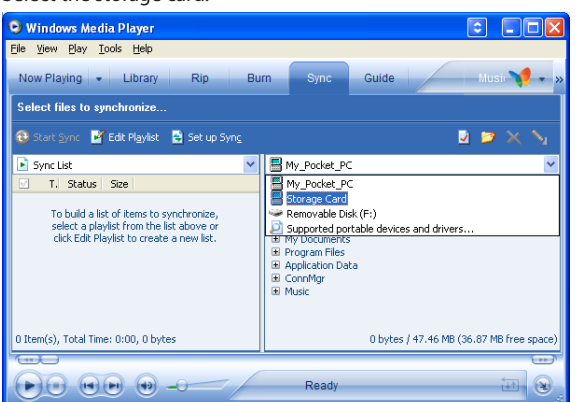
- Insert a storage card into your device (32MB or larger is recommended).
- Set up a sync partnership between the storage card and Windows Media Player Mobile.

Change Media synchronization settings

Once you select the Media information type in ActiveSync to be synchronized, any of your favorite music, video, and picture files in Windows Media Player playlists can be synchronized. All you have to do is set up synchronization in Windows Media Player for those media files.

To set up a sync relationship with a storage card

1. On the computer, open Windows Media Player.
2. Click the **Sync** tab.
3. Select the storage card.



4. Click **Set up Sync**.
5. Choose whether to synchronize automatically or manually.

For more information about Windows Media Player Mobile on your device, see "Using Windows Media Player Mobile" in Chapter 9.

4.5 Setting Up E-mail Security

Windows Mobile on your device protects your Outlook e-mails through Secure/Multipurpose Internet Mail Extension (S/MIME), which allows you to digitally sign your messages as well as encrypt them.

Using authorization keys and certificates, S/MIME allows you to digitally sign your e-mail messages to prove your identity to the recipients. Authorization keys are also used when encrypting messages to improve privacy and prevent undue tampering or hacking of your messages. You can encrypt a message with or without a certificate. However, to read an encrypted message, you need a valid certificate to decrypt it.

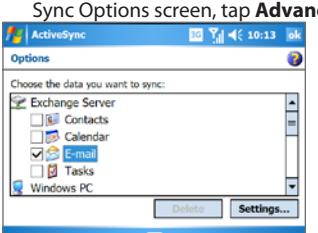
Note:

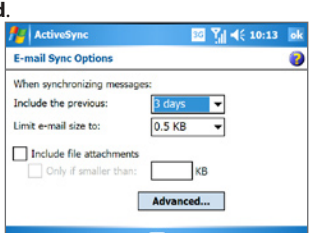
S/MIME encryption and digital signatures for Windows Mobile-based devices are available only with Exchange Server 2003 Service Pack 2 or a later version that supports S/MIME. If you are not using one of these products, or have not yet synchronized, these options are unavailable.

Digitally sign and encrypt all messages

ActiveSync allows you to set up S/MIME e-mail encryption and signing. You must obtain a valid certificate to sign and encrypt e-mail messages successfully.

1. Tap **Start** > **Programs** > **ActiveSync**.
2. Tap **Menu** > **Options**.
3. Select the **E-mail** information type, and tap **Settings**. On the E-mail Sync Options screen, tap **Advanced**.





4. Do one or both of the following:
   - To sign all your outgoing e-mail messages so that recipients can be certain that the messages were sent by you and have not been altered in any way, select the **Sign all outgoing e-mail messages** check box.
   - To encrypt all your outgoing e-mail messages so that the contents of your messages are protected from being viewed by anyone other than the intended recipients, select the **Encrypt all outgoing e-mail messages** check box.
5. Tap **Choose Certificate** to select a certificate for signing or encrypting outgoing e-mail messages.

   You can select certificates to sign or encrypt e-mail messages individually if you do not choose to sign or encrypt all outgoing e-mail. For information about signing and encrypting individual messages, see "Individually sign and encrypt a message" in Chapter 7.

Chapter 5

Managing Your Pocket PC Phone

5.1 Personalizing Your Pocket PC Phone

5.2 Adding and Removing Programs

5.3 Managing Memory

5.4 Copying Files

5.5 Protecting Your Pocket PC Phone

5.6 Resetting Your Pocket PC Phone

5.1 Personalizing Your Pocket PC Phone

Customize the Today screen

The Today screen shows your upcoming appointments, active tasks, and information about incoming messages. You can customize the Today screen on your device.

To customize the Today screen

1. Tap **Start** > **Settings** > **Personal** tab > **Today**.
2. On the **Appearance** tab, select the desired theme for the background of the Today screen.
3. On the **Items** tab, select the items you want to appear on the Today screen.

Tip:

To change the order of items displayed on the Today screen, tap the item, and tap **Move Up** or **Move Down**.

To add a custom background image

You can use one of your own pictures as the background image on the Today screen. Be aware that pictures can affect the readability of text on the Today screen.

1. Tap **Start** > **Settings** > **Personal** tab > **Today**.
2. Select the **Use this picture as the background** check box, and tap **Browse** to view a list of your picture files.
3. Tap the file name of the picture you want to use.
4. Tap **OK**.

To set options for displaying appointments on the Today screen

If you have a large number of appointments, you may want to specify the kind of appointments that are displayed on the Today screen.

1. Tap **Start** > **Settings** > **Personal** tab > **Today**.
2. Tap the **Items** tab.
3. Select **Calendar** and tap **Options**.

4. Do any of the following:
   - Select **Next appointment** to show only the next appointment in your schedule, or **Upcoming appointments** to show multiple appointments.
   - Clear the **Display all day events** check box if you do not want to display all-day events.

To set options for displaying tasks on the Today screen

If you have a large number of tasks, you may want to specify the kind of tasks that are displayed on the Today screen.

1. Tap **Start** > **Settings** > **Personal** tab > **Today**.
2. Tap the **Items** tab.
3. Select **Tasks** and tap **Options**.
4. Do any of the following:
   - Under **Display number of**, select the type of tasks you want to appear on the Today screen.
   - In the **Category** list, select whether to display only tasks assigned to a specific category or to display all tasks.

Customize the Start menu

You can choose which items appear in the **Start** menu.

1. Tap **Start** > **Settings** > **Personal** tab > **Menus**.
2. Select the check boxes of the items you want to appear in the **Start** menu. You can select up to seven items.

Tip:

You can also create folders and shortcuts to appear on the Start menu. In ActiveSync on your PC, click **Explore**. In the Mobile Device window, double-click **My Windows Mobile-Based Device** > **Windows** > **Start Menu**, then create the folders and shortcuts that you want. You will see the added items after you synchronize.

Why is the device name important?

The device name is used to identify the device in the following situations:

- Synchronizing with a PC
- Connecting to a network
- Restoring information from a backup

Note:

If you synchronize multiple devices with the same PC, each device must have a unique name.

To change the device name

1. Tap **Start** > **Settings** > **System** tab > **About**.
2. Tap the **Device ID** tab.
3. Enter a name.

Note:

The device name must begin with a letter, consist of letters from **A** to **Z**, numbers from **0** to **9**, and cannot contain spaces. Use the underscore character to separate words.

Set Date / Time / Regional Options

You can set up the correct date, time, and regional settings according to your use.

To set the time and date

1. Tap **Start** > **Settings** > **System** tab > **Clock & Alarms** > **Time** tab.
2. Select the correct time zone and change the date or time.

Note:

During synchronization, the time on your device is updated with the time on your PC.

To set an alarm

1. Tap **Start** > **Settings** > **System** tab > **Clock & Alarms** > **Alarms** tab.
2. Tap **<Description>** and enter a name for the alarm.
3. Tap the day of the week for the alarm. You can select multiple days by tapping each desired day.
4. Tap the time to open a clock and set the time for the alarm.

5. Tap the alarm icon ( ) to specify the type of alarm you want. You can choose a flashing light, a single sound, or a repeating sound,.
6. If you choose to play a sound, tap the list next to the **Play sound** check box and tap the sound you want.

To set the time and date for a different location

If you visit or communicate with someone in a particular time zone often, you can select it as your visiting time zone.

1. Tap **Start > Settings > System** tab **> Clock & Alarms > Time** tab.
2. Tap **Visiting**.
3. Select the correct time zone and change the time or date.

To change regional settings

The style in which numbers, currency, dates, and times are displayed is specified in regional settings.

1. Tap **Start > Settings > System** tab **> Regional Settings**.
2. On the **Region** tab, select your region from the list.

Note:

This does not change the Operating System language of your device.

3. The region you select determines which options will be available on the other tabs.
4. To customize settings further, tap the appropriate tabs and select the desired options.

Personal and system settings

To format the Microdrive

Your device comes with a built-in 8GB Microdrive® that gives you additional storage space for your files. Use Format Microdrive to delete all the files in the Microdrive and to format it.

1. Tap **Start** > **Settings > Systems** tab > **Format Microdrive**.
2. Enter **1234** in the box and tap **Continue**.

To use TV Out

TV Out lets you output the contents you are viewing on the device screen to an external display device (e.g. projector). This is useful when you are doing a presentation or when you are sharing your videos or photos with people.

To connect the device to an external display device

1. Turn off the external viewing device and unplug the power cord from the wall socket.
2. Take out the VGA cable from the box. Connect the external viewing device's cable to the bigger end of the VGA cable.
3. Connect the smaller end of the VGA cable to the VGA port on the device.
4. Plug in the power cable of the external viewing device to a wall socket and turn it on.

To enable TV Out

1. On the Today screen, tap **Start** > **Settings** > **System** tab > **TV Out**.
2. On the **TV Out** Settings screen, choose **On** on the drop-down menu.
3. Choose the **Connection** that you are using to output.
   - Select **VGA-out** if you are doing a presentation such as a Powerpoint presentation and you are outputting it to a projector.
   - Select **Composite & S-Video** if you are going to output a video to the external viewing device. Choose the Video standard to use when outputting (e.g. If your video is in the NTSC video standard and you select PAL, TV Out will convert your video to PAL before outputting.)
4. Tap **OK**.

Note: Audio output is supported.

To disable TV Out

1. On the Today screen, tap **Start** > **Settings** > **System** tab > **TV Out**.
2. On the **TV Out** Settings screen, choose **Off** on the drop-down menu.
3. Turn off the external viewing device and then unplug the power cord.

4. Disconnect the VGA cable's smaller end from the device and then disconnect the external viewing device's cable from the VGA out cable.

To configure the "X" button to shut down programs

You can configure the button to shut down running programs and free up the memory space that is occupied by them.

1. Tap **Start** > **Settings** > **System** tab, then tap **X-Button**.
2. Select the **Enable the "X" button to end running programs** check box.
3. Choose the action for shutting down programs (by tapping the "X" button, tapping and holding the button, or both).
4. Tap **OK**.

Note:

When the **Enable the "X" button to end running programs** check box is not selected, tapping the "X" button will only close a program screen. The program is not ended and continues to run in the background.

To reassign programs or shortcuts to program buttons

Your device may come with programs already assigned to hardware buttons. You can customize these buttons to open the programs you use most, or to perform certain shortcuts such as changing the screen orientation, opening the Today screen, or opening Input Panel.

1. Tap **Start > Settings > Personal** tab **> Buttons**.
2. A list of buttons and their current assignments are displayed on the **Program Buttons** tab.
3. Tap the button you want to reassign. To help you identify the buttons, there are numbers and icons representing the original function of the button.
4. In the **Assign a program** box, tap the program or shortcut you want to assign.
5. Tap **OK**.

To increase or decrease the size of text on the screen

1. Tap **Start** > **Settings** > **System** tab > **Screen** > **Text Size** tab.
2. Move the slider to increase or decrease the text size.

To choose how to be notified about events or actions

1. Tap **Start** > **Settings** > **Personal** tab > **Sounds & Notifications**.
2. On the **Sounds** tab, choose how you want to be notified by selecting the appropriate check boxes.
3. On the **Notifications** tab, in **Event**, tap an event name and choose how you want to be notified by selecting the appropriate check boxes. You can choose from several options, such as a special sound, a message, or a flashing light.

Tip: Turning off sounds and the flashing light helps conserve battery power.

To find the operating system version number

- Tap **Start** > **Settings** > **System** tab > **About**.

The version of the operating system on your device is shown near the top of the About screen.

To get detailed device information

- Tap **Start** > **Settings** > **System** tab > **About**.

The **Version** tab displays important device information, including the type of processor and the amount of memory that is installed.

To make the battery last longer

- Tap the battery icon ( ) on the Today screen. On the **Advanced** tab of the **Power** settings screen, you can specify when your device turns off the display to conserve battery power.
  For optimum conservation, specify 3 minutes or less.
- Use the AC adapter to plug your device into external power whenever possible, especially when using a miniSD™ card or when using a modem or other peripherals.
- Adjust the backlight settings.

To adjust the brightness of the backlight

1. Tap the battery icon ( ) on the Today screen.
2. On the **Power** settings screen, tap **Menu > Backlight**.
3. On the **Brightness** tab, move the slider right to increase the brightness, or left to decrease the brightness.

To set the backlight to dim after a time delay

1. Tap the battery icon ( ) on the Today screen.
2. On the **Power** settings screen, tap **Menu > Backlight**.
3. Tap the **Battery power** tab, or the **External power** tab.
4. Select the **Turn off backlight if device is not used for** check box, and specify the time delay.

Phone settings

You can customize phone settings, such as the ring type and ring tone to be used for incoming calls, and the keypad tone to be used when entering phone numbers. Open the Phone program to customize these settings.

To change the ring tone

1. On the Phone screen, tap **Menu > Options > Phone** tab.
2. In the **Ring tone** list, tap the sound you want to use.

Tip:

To use custom ***.wav**, ***.mid**, ***.mp3**, or ***.wma** files as ring tones, use ActiveSync on your PC to copy the files to the /Windows/Rings folder on your device. Next, select the sound from the Ring tone list. For more information about copying files to your device, see ActiveSync Help on your PC.

To change the ring type

You can change the way that you are notified of incoming calls.

1. On the Phone screen, tap **Menu > Options > Phone** tab.
2. In the **Ring type** list, tap the desired option.

To change the keypad tone

You can change the tone you hear when entering a phone number on the keypad. If set to Long tones, the tone is heard continuously for as long as the number on the keypad is pressed. Use this setting if you are having trouble accomplishing tasks that rely on tones from your phone such as accessing messages from an answering machine. If set to Short tones, the tone is heard only for one or two seconds. If set to Off, no tone will be heard.

1. From the Phone keypad, tap **Menu > Options > Phone** tab.
2. In the **Keypad** list, tap the option you want.

Phone services

Phone services, such as Call Waiting, enable you to choose how to handle all incoming calls on your device.

To choose the services

1. Tap **Start > Settings > Personal** tab **> Phone > Services** tab.
2. Select the service you want to use, then tap **Get Settings**.

Networks

You can view available mobile phone networks, determine the order in which your device accesses another network if the current one is unavailable, and specify whether you want to change networks manually or automatically. For more information about network settings, see Help on your device.

To change phone network settings

1. Tap **Start > Settings > Personal** tab **> Phone > Network** tab.
2. By default, your device displays the current network as offered by your service provider. You can customize to set your preferred network.

To set preferred networks

1. Tap **Start > Settings > Personal** tab **> Phone > Network** tab. By default, the **Network selection** field is set to **Automatic**. However, you can set it to **Manual** to choose your own network at any point of time.
2. Tap **Set Networks**.

3. Select the networks on the **Phone: Preferred networks** screen and sort them according to your preference.
4. Tap **OK**.

5.2 Adding and Removing Programs

Before you purchase additional programs for your device, you should note the model name of your device, the version of Windows Mobile software running on it, and the type of processor. This information will help you select a program that is compatible with your device. For more information, see "To get detailed device information" and "To find the operating system version number" in this chapter.

Programs available for purchase usually include a Setup program (commonly named "setup.exe") that you must first run on your PC. You can then use ActiveSync to add programs to your device, or add a program directly from the Internet.

To add programs

1. Download the program to your PC (or insert the CD or disk that contains the program into your PC). You may see a single ***.exe** file, a ***.zip** file, a Setup.exe file, or several versions of files for different device types and processors. Be sure to select a program designed for your device and processor type.
2. Read any installation instructions or documentation that comes with the program. Many programs provide special installation instructions.
3. Connect your device to the PC.
4. Double-click the ***.exe** file.
   - If the executable file is an installation wizard, follow the instructions on the screen. The wizard will automatically install the program to your device.

- If an installation wizard does not start, you will see an error message stating that the program is valid but that it is designed for a different type of computer. You will need to copy this program directly to your device. If you cannot find any installation instructions for the program, use ActiveSync to copy the program file to the Program Files folder on your device.

To remove programs

You can only remove programs that you installed. Programs that come with your device cannot be removed.

1. Tap **Start** > **Settings** > **System** tab > **Remove Programs**.
2. In the **Programs in storage memory** list, select the program you want to remove, and tap **Remove**.
3. Tap **Yes**. If another confirmation message appears, tap **Yes** again.

5.3 Managing Memory

You may need to stop a program if it becomes unstable or the program memory is low.

To see how much memory is available

- Tap **Start** > **Settings** > **System** tab > **Memory**.
- On the **Main** tab, the amount of memory allocated to file and data storage versus program storage is displayed, as well as the amount of memory in use versus the available memory.

To see available storage card or Microdrive memory

You can see how much memory is available on the Microdrive or a miniSD card that is inserted in your device.

1. Tap **Start** > **Settings** > **System** tab > **Memory**.
2. Tap the **Storage Card** tab.
3. Tap the list box and then select the storage media whose information you want to see.

Try the following to free memory on your device:

- Close programs you are not currently using.

- Move e-mail attachments to a storage card.
- Move files to a storage card. Tap **Start > Programs > File Explorer**. Tap and hold the file, and tap **Cut**. Browse to the storage card folder and tap **Menu > Edit > Paste**.
- Delete unnecessary files. Tap **Start > Programs > File Explorer**. Tap and hold the file, and tap **Delete**.
- Delete large files. To find your largest files, tap **Start > Programs > Search**. In the **Type** list, tap **Larger than 64 KB**, and tap **Search**.
- In Internet Explorer Mobile, delete temporary Internet files and clear history information. For more information, see "Internet Explorer Mobile" in Chapter 6.
- Remove programs you no longer use.
- Reset your device.

To close a program

Tapping the button in a program may just close the program screen. In this case, the program continues to run in the background. You can end running programs manually by following these steps:

1. Tap **Start > Settings > System** tab **> Memory > Running Programs** tab.
2. In the **Running Programs List**, tap the program you want to end, and tap **Stop**.

Tips:

- In most programs, you can also use the keyboard shortcut **CTRL+Q** to close the program.
- You can configure the "X" button to directly shut down running programs. For more information, see "To configure the "X" button to shut down programs".

5.4 Copying Files

You can copy files to your PC using ActiveSync, or copy files to a storage card you insert into your device. Your device has an expansion slot for inserting a miniSD™ card.

Using ActiveSync, you can copy or move information from the PC to your device and vice versa. Copying a file results in separate versions of a file on your device and PC. Because the files are not synchronized, changes made to one file will not affect the other.

Note:

If you want to automatically update information on both your device and PC, synchronize the information instead. For more information about copying and synchronizing files, see ActiveSync Help on your PC.

To copy files to a storage card or Microdrive

1. Make sure a miniSD™ card is properly inserted into your device.
2. Tap **Start** > **Programs** > **File Explorer** and navigate to the appropriate folder.
3. Tap and hold the file you want to copy, and tap **Copy**.
4. Tap the folder list (labeled **My Documents** by default) and tap **Storage Card** or **Microdrive**.
5. Tap **Menu** > **Edit** > **Paste**.

To copy a file between your device and the PC

1. Connect your device to the PC.
2. In ActiveSync, click **Explore**, which opens the Mobile Device folder of your device.
3. To copy a file from your device to your PC:
   a. In the Mobile Device folder, go to the file that you want to copy.
   b. Right-click the file, then click **Copy**.
   c. Locate the destination folder on your PC. Right-click the folder, then click **Paste**.
4. To copy a file from your PC to your device:

a. On your PC, navigate to the folder that contains the file you want to copy.

b. Right-click the file, then click **Copy**.

c. Right-click the destination folder under Mobile Device, then click **Paste**.

To automatically save files on a storage card or Microdrive

In the Word Mobile or Notes programs, you may find it helpful to save all new documents, notes, and workbooks directly on a storage card.

1. From the program file list, tap **Menu > Options** or **Menu > Tools > Options**.
2. In the **Save to** box, select the storage card or the Microdrive to automatically save new files on the storage card or Microdrive.
3. Tap **OK**.

Note:

In the file or note list, a symbol is displayed next to the names of files saved on a storage card/Microdrive.

5.5 Protecting Your Pocket PC Phone

There are two kinds of protection that you can set for your device:

- You can protect your SIM card from unauthorized use by assigning a PIN (personal identification number). Your first PIN will be given to you by your wireless service provider; you can change the PIN later.
- Additionally, you can prevent unauthorized access to any part of the device by using password protection. You can help keep your data more secure by requiring a password every time the device is turned on. You create your own password when you begin using your device.

To protect your SIM card with a PIN

1. On the Phone screen, tap **Menu > Options > Phone** tab.
2. Select the **Require PIN when phone is used** check box.
3. To change the PIN at any time, tap **Change PIN**.

Tip: Emergency calls can be placed at any time, without requiring a PIN.

To protect your device with a password

1. Tap **Start** > **Settings** > **Personal** tab > **Lock**.
2. Select the **Prompt if device unused for** check box, and in the box to the right, select how long your device must be idle before a password is required. In the **Password type** box, select the type of password you would like to use. Enter the password and, if necessary, confirm the password.

   If your device is configured to connect to a network, use an alphanumeric password for increased security for your device.
3. On the **Hint** tab, enter a phrase that will help you remember your password, but does not allow others to guess your password. The hint will be displayed after the wrong password is entered four times.
4. Tap **OK**. The next time the device is turned on, you will be prompted to enter your password.

Notes:

- Each time a wrong password is entered, the device response time gets longer until the device appears to be not responding.
- If you forget your password, you must follow the instructions in this user manual to clear the memory before you can access your device.

To change your password

1. Tap **Start** > **Settings** > **Personal** tab > **Lock**. You will be prompted to enter your current password.
2. In the **Password** box, enter your new password.
3. On the **Hint** tab, enter a phrase that will help you remember your new password, but does not allow others to guess your password. The hint will be displayed after the wrong password is entered four times.
4. Tap **OK**.

To display owner information on the 'my info' screen

Having your contact information displayed on the 'my info' screen on startup allows for easy identification of the device in case it is lost.

1. Tap **Start > Settings > Personal** tab **> Owner Information**.
2. On the **Options** tab, select the **Identification information** check box.
3. If you want additional text displayed, tap the **Notes** tab and enter the text (for instance: Reward if found).
4. On the **Options** tab, select the **Notes** check box.
5. Tap **OK**.

Tip: To display owner information on the Today screen, tap **Start > Settings > Personal** tab **> Today**. On the **Items** tab, select the **Owner Info** check box.

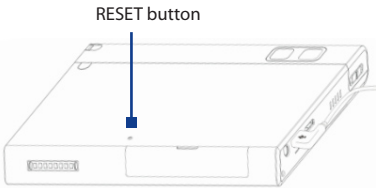
5.6 Resetting Your Pocket PC Phone

Occasionally, you may need to reset your device. A normal (or soft) reset of your device clears all active program memory and shuts down all active programs. This can be useful when your device is running slower than normal, or a program is not performing properly. A soft reset is also necessary after the installation of some programs. If a soft reset is performed when programs are running, unsaved work will be lost.

You can also perform a hard reset (also known as a full reset). A hard reset should be performed only if a normal reset does not solve a system problem. After a hard reset, the device is restored to its default settings — the way it was when you first purchased it and turned it on. Any programs you installed, data you entered, and settings you customized on your device will be lost. Only Windows Mobile software and other pre-installed programs will remain.

To perform a soft reset

- Use the stylus to press the RESET button found on the back of the device. Your device restarts and displays the Today screen.

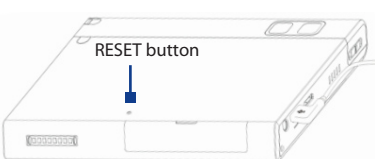


To perform a hard reset

Warning!

Your device will be set back to factory default settings. Please ensure any additional installed programs and/or user data have been backed up before a hard reset is performed.

1. Slide the Volume slider down and at the same time, use the stylus to press the RESET button at the back of your device.



2. After a brief period of time, two choices will appear on-screen. Press the CENTER OK button to perform the hard reset.

Note:

If you do not want to perform a hard reset, press the CAMERA button to exit.

3. Press the POWER button.

Chapter 6

Getting Connected

6.1 Connecting to the Internet
6.2 Using VueFLO
6.3 Internet Explorer Mobile
6.4 Using Comm Manager
6.5 Using Bluetooth
6.6 Using Wi-Fi
6.7 Using Internet Sharing
6.8 Using Spb GPRS Monitor

6.1 Connecting to the Internet

Your device is equipped with powerful networking functions that enable you to connect to the Internet through Wi-Fi, GPRS (General Packet Radio Service) or the mobile phone network.

Connecting your device to the Internet through a private or free wireless network is your best choice since this will not incur any cost. Take note, however, that using Wi-Fi on your device will drain battery power faster. For more information about setting up a Wi-Fi connection, see "Using Wi-Fi" later in this chapter.

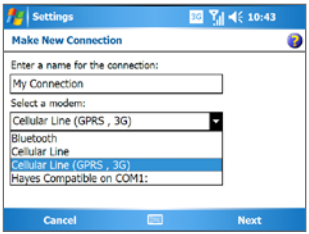
In times when you are not within the coverage of a wireless network, you can either use GPRS or phone dial-up to connect your device to the Internet or your corporate network. Your device has two groups of connection settings: **My ISP** (Internet Service Provider) and **My Work Network**. The My ISP settings are used to connect to the Internet, while My Work Network settings can be used to connect to any private, corporate network.

To set up a GPRS connection to the Internet

GPRS is a data service that allows information to be sent and received across the wireless network. You can use GPRS to connect to the Internet or to send and receive MMS on your device. You will be billed per KB (Kilobyte) by your wireless service provider when you are sending or receiving information via GPRS.

If GPRS settings are not preset on your device, obtain the **Access point name** from your wireless service provider. Also, check with your wireless service provider if a user name and password are required.

1. Tap **Start** > **Settings** > **Connections** tab > **Connections**.
2. Under **My ISP**, tap **Add a new modem connection**.
3. On the Make New Connection screen, enter a name for the connection.
4. In the **Select a modem** list, select **Cellular Line (GPRS)**, then tap **Next**.



5. Enter the Access point name, then tap **Next**.

6. Enter the user name and password, only if required.
7. Tap **Finish**.

Notes:

- To view help information for any screen, tap the help icon ( ).
- To modify your connection settings, tap **Manage existing connections** on the Connections screen, and complete the connection wizard.

To set up a dial-up connection to your ISP

When you use your device to dial up to your ISP and connect to the Internet, you will be billed by the number of minutes that you use.

To establish a dial-up connection on your device, you need the same settings that you normally use when you dial up from your computer. This includes the ISP server phone number, your user name and password.

1. Tap **Start** > **Settings** > **Connections** tab > **Connections**.
2. Under **My ISP**, tap **Add a new modem connection**.
3. On the Make New Connection screen, enter a name for the connection.
4. In the **Select a modem** list, select **Cellular Line**, then tap **Next**.
5. Enter the ISP server phone number, then tap **Next**.
6. Enter your user name, password, and any other information required by your ISP.
7. Tap **Finish**.

To set up a connection to a private network

1. Obtain the following information from your network administrator:
   - Server phone number
   - User name
   - Password
   - Domain (and other required settings, such as IP address)
2. Tap **Start** > **Settings** > **Connections** tab > **Connections**.
3. In **My Work Network**, follow the instructions for each type of connection.
4. Complete the connection wizard, then tap **Finish**.

To start a connection

After setting up a connection such as GPRS or ISP dial-up on your device, you can now connect your device to the Internet. The connection is started automatically when you begin using a program that requires an Internet connection. For example, when you start Opera Browser to browse the Internet, your device connects automatically.

If you have set up multiple types of connections on your device, you can manually start a connection.

1. Tap **Start** > **Settings** > **Connections** tab > **Connections**.
2. Tap **Manage existing connections**.
3. Tap and hold the name of the desired connection, then tap **Connect**.

To disconnect the GPRS connection

Tap the **Comm Manager** icon ( ) on the Today screen, then tap the **Data Connection** button ( ).

6.2 Using VueFLO

VueFLO lets you scroll through Web pages by simply tilting your device.

To adjust VueFLO settings

1. Tap **Start** > **Settings** > **System** tab > **VueFLO**.
2. Select the **Browser** where VueFLO can be activated.

Note:

The **Browser** setting is only available when you have both Internet Explorer Mobile and Opera Browser in your device.

2. Adjust the **Sensitivity** level, then tap **OK**.

Tip: Tap **Tutorial** to learn how to use VueFLO.

To use VueFLO

1. With the Web broswer opened, press on the device.
2. Tilt the device to the direction you want to scroll to. For example, to scroll down on a Web page, tilt the top of the device towards you; To scroll up, tilt the top of the device away from you.

Notes:

- To deactivate VueFLO, press again.
- You can also press and hold to use VueFLO. Once you let go of the button, VueFLO will be deactivated.

6.3 Internet Explorer Mobile

Internet Explorer is a full-featured Internet browser, optimized for use on your device.

To start Internet Explorer

- Tap **Start** > **Internet Explorer**.

To set a Home page

1. In the address bar on top of the Internet Explorer screen, enter the desired Web page address. Tap to open the Web page.
2. Tap **Menu** > **Tools** > **Options** > **General** tab.
3. Do one of the following:
   - To use the displayed page as the Home page, tap **Use Current**.
   - To use the default Home page, tap **Use Default**.

Tip: To go to your Home page, tap **Menu** > **Home**.

To transfer favorites from your PC

You can transfer the favorites you have stored on your PC to your device by synchronizing the Internet Explorer favorites on your PC with your device.

1. In ActiveSync on your PC, on the **Tools** menu, click **Options**, and select **Favorites**.
2. In Internet Explorer on your PC, click **Favorites** > **Add to Favorites** and save or move favorite links to the Mobile Favorites subfolder in the Favorites list.
3. Connect your device to your PC. If synchronization does not start automatically, click **Sync**.

To add a favorite

1. In Internet Explorer Mobile, go to the page you want to add.
2. Tap and hold the page, and tap **Add to Favorites**.
3. Confirm or change the name, and select a folder for storing the favorite.
4. Tap **Add**.

To delete a favorite or folder

1. In Internet Explorer Mobile, tap **Menu** > **Favorites** > **Add/Delete** tab.
2. Select the item you want to delete, and tap **Delete**.

To change the size of text on Web pages

- In Internet Explorer Mobile, tap **Menu** > **Zoom**, and tap the size you want.

To change how Web pages fill the screen

1. In Internet Explorer Mobile, tap **Menu** > **View**.
2. Tap one of the following:
   - **One Column**. Arranges the content into one column that is as wide as the screen. This means that you will rarely have to scroll horizontally.
   - **Default**. Maintains a layout similar to what you see on a desktop computer, but it makes items smaller and arranges the content so that you can see most of it without having to scroll horizontally.
   - **Desktop**. Keeps the same layout and size as on a desktop computer, which will require both horizontal and vertical scrolling.

To clear the History list

1. In Internet Explorer Mobile, tap **Menu** > **Tools** > **Options** > **Memory** tab.
2. Tap **Clear History**.

To save a picture from a Web page

1. In Internet Explorer Mobile, tap and hold the picture, and tap **Save Image**.
2. Do one of the following:
   - To save the picture in **My Pictures** on your device, tap **Yes**.
   - To save the picture in another location, such as a storage card, tap **Save As**.

To delete temporary Internet files

Your device temporarily stores Web pages that you frequently visit or have visited recently to speed up the display of these Web pages when you access them. You may want to delete these files to free storage space.

1. In Internet Explorer Mobile, tap **Menu** > **Tools** > **Options** > **Memory** tab.
2. Tap **Delete Files**. All pages stored on your device, including offline favorites content, will be deleted.

To set up Internet security settings

Cookies are small files containing information about your identity and preferences so that a page can tailor information to your needs. The page sends the file, and it is stored on your device.

1. In Internet Explorer Mobile, tap **Menu** > **Tools** > **Options** > **Security** tab.
2. To prevent Internet Explorer Mobile from accepting any cookies, clear the **Allow cookies** check box.
3. Select the check boxes for the other security options you want, and tap **OK**.

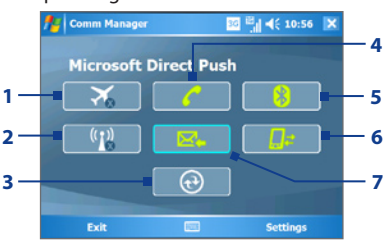
6.4 Using Comm Manager

Comm Manager acts like a central switch that lets you enable or disable phone features as well as manage your data connections easily.

To open Comm Manager

- Tap the **Comm Manager** icon ( ) on the Today screen.

Simply tap the corresponding button to enable or disable a feature.



1. Tap to toggle between turning on or off Flight mode. Turning on Flight mode turns off the phone, Bluetooth and WLAN functions.
2. Tap to toggle between turning on or off Wi-Fi. Tap **Settings** > **Wireless LAN** to configure Wi-Fi on your device. See "Using Wi-Fi" for details.
3. Tap to open ActiveSync so you can synchronize the device and computer. For more information about the configuration settings for ActiveSync, see Chapter 4.
4. Tap to toggle between enabling or disabling the phone. Tap **Settings** > **Phone** to set the ring tone and other phone settings. For more information about customizing phone settings, see Chapter 5.
5. Tap to toggle between turning on or off Bluetooth. Tap **Settings** > **Bluetooth** to configure Bluetooth on your device. See "Using Bluetooth" for details.
6. Tap to disconnect active data services (e.g. GPRS). You cannot reconnect data services in Comm Manager.
7. Tap to toggle between automatically receiving (as items arrive) or manually retrieving Outlook e-mails. For more information, see "Schedule synchronization with Exchange Server" in Chapter 4.

6.5 Using Bluetooth

Bluetooth is a short-range wireless communications technology. Devices with Bluetooth capabilities can exchange information within a distance of about 10 meters without requiring a physical connection. You can even beam information to a device in a different room, as long as it is within the Bluetooth signal coverage range.

Bluetooth can be used in the following ways:

- Beam information, such as files, appointments, tasks, and contact cards, between devices that have Bluetooth capabilities.
- Synchronize information between your device and computer via Bluetooth.
- Use a Bluetooth-enabled headset (or other Bluetooth-enabled hands-free device such as a car kit) with your device for hands-free phone conversations.
- Use a Bluetooth service. Once you connect to another device or computer using Bluetooth, you can locate and use any of the services available on that device.
- Create a connection between your device and another Bluetooth-enabled phone to use that phone as a modem.

Note:
Normally, you will need another phone as a modem only if your Pocket PC device has no integrated phone capability.

Bluetooth modes

Bluetooth on your device operates in three different modes:

- **On**. Bluetooth is turned on. Your device can detect other Bluetooth-enabled devices, but not vice versa.
- **Off**. Bluetooth is turned off. In this mode, you can neither send nor receive information using Bluetooth. You might want to turn Bluetooth off at times in order to conserve battery power, or in situations where using a wireless device is prohibited, such as on board an aircraft and in hospitals.
- **Visible**. Bluetooth is turned on, and all other Bluetooth-enabled devices can detect your device.

Note:

By default, Bluetooth is turned off. If you turn it on, then turn off your device, Bluetooth also turns off. When you turn on your device again, Bluetooth automatically turns on.

To turn Bluetooth on and make your device visible

1. On your device, tap **Start** > **Settings** > **Connections** tab > **Bluetooth**.
2. Select the **Turn on Bluetooth** and **Make this device visible to other devices** check boxes.
3. Tap **OK**.

Bluetooth partnerships

A Bluetooth partnership is a relationship that you create between your device and another Bluetooth-enabled device in order to exchange information in a secure manner. Creating a partnership between two devices involves entering the same Bluetooth passcode on both devices.

Creating a partnership between two devices is a one-time process. Once a partnership is created, the devices can recognize the partnership and exchange information without entering a passcode again. Make sure that on the two devices, Bluetooth is turned on and in visible mode.

To create a Bluetooth partnership

1. On your device, tap **Start** > **Settings** > **Connections** tab > **Bluetooth**.
2. On the **Devices** tab, tap **Add new device**. Your device searches for other Bluetooth devices and displays them in the box.
3. Tap the desired device name in the box.
4. Tap **Next**.
5. Specify a passcode to establish a secure connection. The passcode can be 1 up to 16 characters.
6. Tap **Next**.
7. Wait for the paired device to accept the partnership. The receiving party needs to enter the same passcode that you specified.
8. The name of the paired device is then displayed. You may edit and enter a new name for that device.

9. Select the check boxes of services that you want to use from the paired device.
10. Tap **Finish**.

To accept a Bluetooth partnership

1. Ensure that Bluetooth is turned on and in visible mode.
2. Tap **Yes** when prompted to establish a partnership with the other device.
3. Enter a passcode (the same passcode that is entered on the device requesting the partnership) to establish a secure connection. The passcode must be between 1 and 16 characters.
4. Tap **Next**.
5. Tap **Finish**. You can now exchange information with the paired device.

To rename a Bluetooth partnership

1. Tap **Start** > **Settings** > **Connections** tab > **Bluetooth**.
2. Tap and hold the partnership on the **Devices** tab.
3. On the shortcut menu, tap **Edit**.
4. Enter a new name for the partnership.
5. Tap **Save**.

To delete a Bluetooth partnership

1. Tap **Start** > **Settings** > **Connections** tab > **Bluetooth**.
2. Tap and hold the partnership on the **Devices** tab.
3. Tap **Delete**.

Connect a Bluetooth hands-free or stereo headset

For hands-free phone conversations, you can use a Bluetooth hands-free headset such as a car kit with your device.

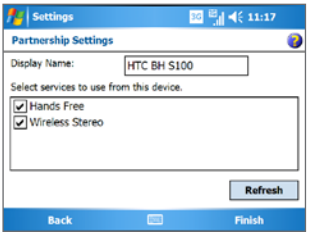
Your device also supports A2DP (Advanced Audio Distribution Profile) which is for stereo audio over Bluetooth. This means that you can use a Bluetooth stereo headset with your device for hands-free phone conversations as well as for listening to stereo music. Make sure that your stereo headset also supports A2DP.

Just like when connecting to any Bluetooth device, you also need to enter a passcode when connecting to a Bluetooth hands-free or stereo headset. The passcode is fixed and cannot be changed on a Bluetooth headset. Before you connect it to your device, check for the proper passcode in the manufacturer's documentation.

To connect a Bluetooth hands-free or stereo headset

1. Make sure that both your device and the Bluetooth headset are turned on and within close range, and that the headset is visible. Refer to the manufacturer's documentation to find out how to set the headset in visible mode.
2. Tap **Start > Settings > Connections** tab.
3. Tap **Bluetooth > Devices** tab > **Add new device**. Your device searches for other Bluetooth-enabled devices and displays them in the list.
4. Tap the name of the Bluetooth headset, then tap **Next**.
5. Enter the passcode of the Bluetooth headset, then tap **Next**.
6. Make sure the **Hands Free** check box is selected.

   If you have a Bluetooth stereo headset, also make sure the **Wireless Stereo** check box is selected.



7. Tap **Finish**.

Note:
If the Bluetooth stereo headset becomes disconnected, turn the headset on and repeat steps 1 to 3 above. Tap and hold the name of the Bluetooth stereo headset and tap **Set as Wireless Stereo**.

Warning!
After pairing the device and the Bluetooth headset or refreshing the pairing, the headset volume is automatically set to the highest volume. It is recommended to lower the volume of the headset first before using it.

Beam information using Bluetooth

You can beam information, such as contacts, calendar items, and tasks, as well as files from your device to your computer or to another Bluetooth-enabled device.

Note:
If your computer does not have built-in Bluetooth capability, you need to connect and use a Bluetooth adapter or dongle on your computer.

To beam information from your device to a computer

1. Turn on Bluetooth on your device, and make your device visible. For information about this, see "To turn Bluetooth on and make your device visible".
2. You also need to set Bluetooth on your computer to visible mode. Do one of the following:
   - If your computer has Windows XP SP2 and your computer's built-in or external Bluetooth adapter is supported by Windows XP SP2, open **Bluetooth Devices** from the Control Panel. Click the

Options tab, then select the **Turn discovery on** and the **Allow Bluetooth devices to connect to this computer** options.

- If the Bluetooth adapter on your computer was installed using a third-party provided driver, open the Bluetooth software that came with the Bluetooth adapter. This software varies by manufacturer, but in most cases, you will find a **Bluetooth Configuration** utility which you can open from the Control Panel. After Bluetooth Configuration opens, click the **Accessibility** tab, then select **Let other Bluetooth devices to discover this computer**. Refer to the Bluetooth adapter's documentation for more information.

3. Create a Bluetooth partnership between the two devices. For information about creating a partnership, see "Bluetooth partnerships".

   After a partnership has been created successfully, your computer is ready to receive Bluetooth beams.
4. On your device, tap and hold an item to beam. The item can be an appointment in your calendar, a task, a contact card, or a file.
5. To beam a contact, tap **Menu > Send Contact > Beam**.

   To beam other types of information, tap **Menu > Beam [type of item]**.
6. Tap the device name to which you want to send the beam.
7. If you beamed an Outlook item and it is not automatically added to Outlook, select **File > Import and Export** in Outlook to import it.

To beam information to a Bluetooth-enabled device such as another Pocket PC, follow steps 3 to 6 in the above procedure.

Note:
If the computer or device you want to beam to does not appear in your device's Bluetooth list, make sure that its Bluetooth is turned on and set to visible mode.

To receive a Bluetooth beam

Your device will not detect and notify you of incoming Bluetooth beams unless you set it up to do this.

1. Tap **Start** > **Settings** > **Connections** tab > **Beam**.
2. Select the **Receive all incoming beams** check box.
3. Make sure your device is turned on, visible, and within close range of the device that is beaming the information.
4. When prompted to receive an incoming beam, tap **Yes** to receive the beamed information.

Bluetooth Explorer and Bluetooth file sharing

Bluetooth Explorer searches for other Bluetooth devices that have file sharing enabled and lets you access their Bluetooth shared folder. You can copy files from and to their shared folder, and create subfolders in it. When you enable **Bluetooth file sharing** on your device, other Bluetooth-enabled devices will also be able to access your Bluetooth shared folder.

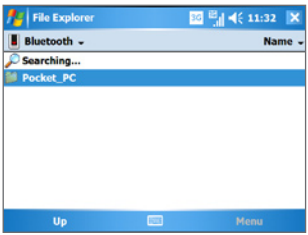
To enable Bluetooth Explorer and Bluetooth file sharing on your device

1. Tap **Start** > **Settings** > **Connections** tab > **Bluetooth** > **FTP** tab.
2. Select the **Enable Bluetooth Explorer** check box. This makes the **/Bluetooth** device folder visible in the File Explorer.
3. Select the **Enable File Sharing** check box.

   You can use the default Bluetooth shared folder, or tap **Browse** to use another folder as your shared folder.

To use Bluetooth Explorer

1. Bluetooth Explorer is integrated with the File Explorer program. You can open it by tapping **Start** > **Programs** > **Bluetooth Explorer** or by tapping the Down arrow ▼ on the upper-left of File Explorer then tapping **Bluetooth** .
2. Bluetooth Explorer then scans for other Bluetooth devices that have file sharing enabled. From the list, tap to select a Bluetooth device you want to connect to. You may need to enter a passcode in order for you to connect to the selected device.



3. If there are files contained in the Bluetooth shared folder on the other device, you will be able to see them on the Bluetooth Explorer screen.

   Select one or more files, then tap **Menu > Edit** and choose to cut or copy the files.

4. Tap **Up** twice.
5. Navigate to the folder where you want to paste the files on your device, then tap **Menu > Edit > Paste**.

Use the device as a Bluetooth modem

You can connect your device to a notebook or desktop computer through Bluetooth and use the device as a modem for the computer.

Note:

If your computer does not have built-in Bluetooth capability, you need to connect and use a Bluetooth adapter or dongle on your computer.

For the computer to use the Internet connection of your device, activate Internet Sharing on your device, then set up a Bluetooth Personal Area Network (PAN) between the computer and your device.

1. On your device, turn on Bluetooth and set it to visible mode.
2. Initiate a Bluetooth partnership from your device by following the steps in "To create a Bluetooth partnership."

   Alternatively, you can initiate a Bluetooth partnership from the computer by following these steps (based on Windows XP SP2):

   a. In the Control Panel or System Tray, double-click the **Bluetooth Devices** icon.

b. In the Bluetooth Devices window, click **Add**.

c. The Add Bluetooth Device Wizard opens. Select the **My device is set up and ready to be found** check box, then click **Next**.

d. The wizard then detects your device and displays its name in the dialog box. Select the device name, then click **Next**.

e. Select **Let me choose my own passkey**, then enter a passcode (1 up to 16 digits) that will serve as an identification number for establishing a secure connection between your device and the computer. Click **Next**.

f. A confirmation message then appears on your device. Tap **Yes** to accept the connection, enter the same passcode, then tap **Next**.

g. On the computer, click **Finish** to exit the wizard.

h. On your device's Partnership Settings screen, you can change the display name for the computer, then tap **Finish**.

3. Now, open the Internet Sharing program on your device. Tap **Start > Programs > Internet Sharing**.
4. Select **Bluetooth PAN** as the **PC Connection**.
5. From the **Network Connection** list, select the name of the connection that your device uses to connect to the Internet.
6. Tap **Connect**.
7. On your computer, set up a Bluetooth Personal Area Network (PAN) with your device:

   a. Tap **Start > Control Panel > Network Connections**.

   b. Under **Personal Area Network**, click the **Bluetooth Network Connection** icon.

   c. Under **Network Tasks**, click **View Bluetooth network devices**.

   d. In the Bluetooth Personal Area Network Devices dialog box, select your device, then click **Connect**.
8. On the Internet Sharing screen on your device, check if a connected status is displayed, which indicates that your computer has been successfully connected to the Internet using your device as a Bluetooth modem.

Use another Bluetooth phone as a modem

You can use another phone that has Bluetooth as a modem for your device to browse the Internet or to transfer other information.

To do this, create a Bluetooth modem connection on your device and then send information to the phone by using Bluetooth. The phone relays the information over the mobile phone network and then sends back to your device any information that you had requested over the connection.

Once you create a modem connection to the Bluetooth phone, you can reuse it whenever you want to use the phone as a modem. Make sure that Bluetooth is turned on and visible mode is enabled on both your device and the phone, and that the two are within close range.

Note:

Normally, you will need another phone as a modem only if your Pocket PC device has no integrated phone capability.

To use a Bluetooth phone as a modem for your device

1. On your device, tap **Start** > **Settings** > **Connections** tab > **Connections**.
2. Tap **Add a new modem connection**.
3. Enter a name for the connection.
4. In the **Select a modem** list, tap **Bluetooth**.
5. Tap **Next**.
6. If the phone appears in the **My Connections** list, skip to step 11.
7. If the phone does not appear in the **My Connections** list, tap **Add new device**, and follow the remaining steps.
8. Select the phone from the list and tap **Next**.
9. Enter a passcode and tap **Next**.
10. Enter the same passcode on the phone and tap **Finish**.
11. In the **My Connections** list on your device, select the phone and tap **Next**.
12. Enter the phone number to dial for this connection and tap **Next**.
13. Enter the required logon information for this connection and tap **Finish**.

6.6 Using Wi-Fi

Wi-Fi provides wireless Internet access over distances of up to 100 meters. To use Wi-Fi on your device, you need access to a wireless access point of your service provider. When you are in public places such as in a coffee shop or restaurant, you will need access to their public wireless access points (also referred to as "hotspots").

Note:

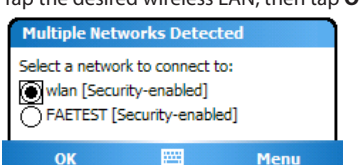
The availability and range of your device's Wi-Fi signal depends on the number, infrastructure, and other objects through which the signal passes.

To connect to a wireless network

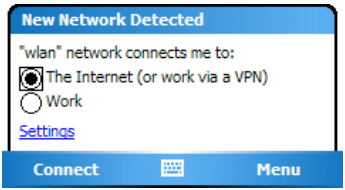
1. Open **Comm Manager**.
2. Tap the **WLAN** button to turn on/off the wireless function. The WLAN icon indicates the wireless status.

   : Wi-Fi is turned on.

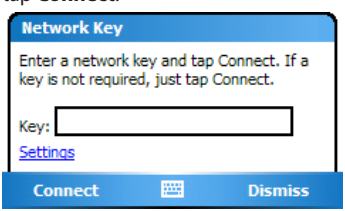
   : Wi-Fi is turned off.
3. After Wi-Fi has been turned on, your device then scans for available wireless networks in your area. The network names of the detected wireless networks will be displayed on a pop-up message window. Tap the desired wireless LAN, then tap **OK**.



4. On the next pop-up message window, tap **The Internet** if the wireless LAN connects your device to the Internet. Otherwise, tap **Work** if the wireless LAN connects your device to a private network.



5. If the wireless LAN is secured by a network key, enter this key, then tap **Connect**.



Next time you use your device to detect wireless networks, you will not see the pop-up message windows again, and you will not be prompted to enter the network key of the previously accessed wireless network (unless you perform a hard reset which will erase custom settings on your device).

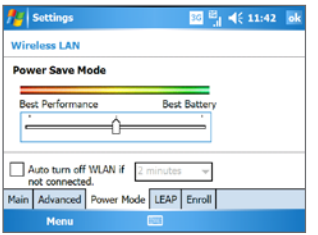
Note:

Wi-Fi networks are self-discoverable, which means no additional steps are required for your device to connect to a Wi-Fi network. It may be necessary to provide a username and password for certain closed wireless networks, however.

To save battery power while connected to a wireless network

1. Tap **Start > Settings > Connections** tab > **Wireless LAN** to open the Wireless LAN Settings screen.
2. On the **Power Mode** tab of the Wireless LAN Settings screen, move the **Power Save Mode** slider to a position that optimizes performance with the least power consumption.

For example, move the slider to the left (Best Performance) to have the optimal WLAN performance; move to the right (Best Battery) to obtain the maximum battery usage.



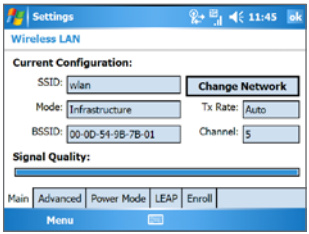
Select **Auto turn off WLAN if not connected** then set a time to automatically turn off WLAN if it is not able to connect to a WLAN network after a set period period of time.

To check the wireless LAN status

You can check the current wireless connection status from the following three screens of your device:

- **Title bar**. When you enable Wi-Fi on your device, the Wi-Fi ON icon ( ) will appear on the title bar.

  After Wi-Fi is turned on, your device scans for available wireless networks and the wireless signal icon ( ) appears on the title bar. The arrows in this icon will move back and forth while your device is scanning for a wireless LAN signal. Once your device successfully connects to a wireless LAN, the arrows stop moving.
- **Wireless LAN screen - Main tab**. Here, it shows the name of the wireless network that your device is currently connected to. The configuration and signal quality of the wireless network are also shown.
- **Configure Wireless Networks screen**. Tap **Start > Settings > Connections** tab **> Wi-Fi > Wireless** tab. This screen displays the wireless networks currently available.



Wireless LAN: Main tab

Wi-FI: Wirelss tab

- To connect to a wireless network in the list, tap and hold on the desired network, then tap **Connect**.
- Tap a wireless network in the list to view or change its connection settings.
- You can also add new wireless networks, if available, by tapping **Add New**.

6.7 Using Internet Sharing

Internet Sharing connects your PC or notebook computer to the Internet by using your device's data connection (GPRS or EDGE, for instance). You can choose to connect via USB or Bluetooth.

Follow the procedure in this section to set up your device as a USB modem. To learn how to set up your device as a Bluetooth modem, see "Use the device as a Bluetooth modem" in this chapter.

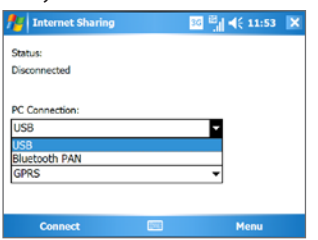
Notes:

- Make sure your device has a SIM card installed, and you have set up a GPRS or phone dial-up modem connection on your device. If your device has not been set up with a data connection yet, tap **Menu > Connection Settings** on the Internet Sharing screen. For more information about setting up a GPRS connection, see "To set up a GPRS connection to the Internet". For more information about setting up a phone dial-up connection, see "To set up a dial-up connection to your ISP".

- If you want to use a USB cable connection, you must first install Microsoft ActiveSync version 4.2 or later on the computer.
- Before using Internet Sharing, disable ActiveSync on your computer.

To set up your device as a USB modem

1. On your device, tap **Start** > **Programs** > **Internet Sharing**.
2. In the **PC Connection** list, select **USB**.
3. In the **Network Connection** list, select the name of the connection that your device uses to connect to the Internet.



4. Plug in the USB cable between your device and the computer.
5. Tap **Connect**.

To end the Internet connection

- On the Internet Sharing screen, tap **Disconnect**.

6.8 Using Spb GPRS Monitor

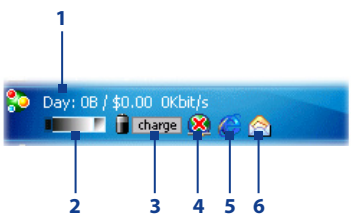
Spb GPRS Monitor measures the amount of data transfers that you have made via GPRS or a phone dial-up connection, and calculates network usage costs. Using this program, you can monitor how much data you have sent and received on your device, and check the network usage costs by taking into account your service plan details: inclusive data amount, data block size, etc. You can also view connection cost and traffic charts, generate reports of network connection usage, and export reports to CSV files for use with Microsoft® Excel and Access.

Install GPRS Monitor

The GPRS Monitor program is included on the Application CD. To install it onto your device, run the program's installer on your computer. Follow the on-screen instructions on your computer and your device to complete the installation.

The Today Plug-in

After you have installed GPRS Monitor on your device, you will find its program icon in **Start > Programs**. In addition, GPRS Monitor is also added to the Today screen as a plug-in. This plug-in shows connection statistics, a brightness panel, battery panel, and shortcut icons.



1. Tap to open the GPRS Monitor screen where you can set up monitoring, view cost and traffic charts, and generate reports..
2. Tap inside the control bar to adjust the backlight level.
3. This is the battery power monitor. Tap it to access the Power Settings screen.
4. Tap to toggle between connecting or disconnecting your default data connection.
5. Tap to open Internet Explorer Mobile.
6. Tap to open Messaging.

To show or hide items on the Today Plug-in

1. Tap **Start > Settings > Personal** tab **> Today**.
2. On the **Items** tab, tap **GPRS Monitor** then tap **Options**.
3. On the **Display** tab, specify the refresh interval for updating statistics, time period for monitoring data transfers, and the types of information to be shown on the plug-in.

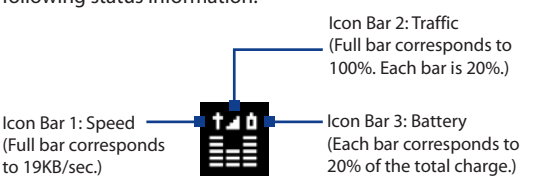
4. On the **Additional Items** tab, choose whether to show or hide the brightness panel, battery panel, and shortcut icons on the plug-in.
5. Tap **OK**.

The GPRS Monitor icon and pop-up window

Another way of displaying status information visually is by enabling the GPRS Monitor icon to be shown on the title bar. This icon shows the GPRS/dial-up connection speed, data traffic, and battery status.

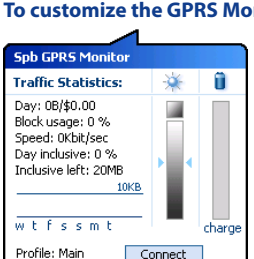
To show the GPRS Monitor icon on the title bar

1. Tap **Start** > **Programs** > **Spb GPRS Monitor**.
2. Tap **Tools** > **Options** > **Icon** tab.
3. Select the **Show taskbar icon** check box.
4. By default, the GPRS Monitor icon shows three bars that represent the following status information:


Icon Bar 2: Traffic
(Full bar corresponds to 100%. Each bar is 20%.)
Icon Bar 1: Speed
(Full bar corresponds to 19KB/sec.)
Icon Bar 3: Battery
(Each bar corresponds to 20% of the total charge.)

Tap **Customize** to change the status information shown on the icon.

To customize the GPRS Monitor pop-up window



When you tap the GPRS Monitor icon on the title bar, a pop-up window opens and shows you detailed statistics about data transfers, such as the data size just transferred and its cost, the data amount left that you are allowed to transfer, and more.

On the GPRS Monitor screen, tap **Tools** > **Options** > **Popup** tab to choose what types of statistics to show on the pop-up window.

Set up monitoring and notification

To select the connection to be monitored

1. On the GPRS Monitor screen, tap **Tools** > **Options** > **Connection** tab.
2. Select the **Enable connection monitoring** check box.
3. In the **Connection** list, select the connection you want to monitor.

Tip: GPRS Monitor can be configured to monitor data transfers via your local service provider as well as international service providers when you send or receive data through roaming. You can set up multiple profiles, with each profile configured with the service plan details of a certain service provider. For more information about profiles, see "Set up multiple profiles".

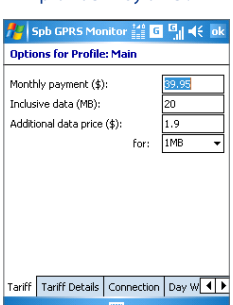
To enter your service plan details

Service plan details, or tariff, determine the price that you pay for your data transfers. The tariff may either be flat rate or time-based, depending on whether you are using GPRS or a phone dial-up connection for data transfers.

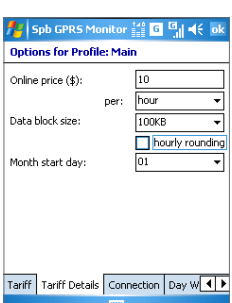
Contact your service provider to find out about your tariff, and enter the information in the **Tariff** tab or the **Tariff Details** tab on the Options screen.

Note:

The calculation of network usage costs is based on the information that you entered, and is an estimate only. The actual amount billed by your service provider may differ.



Options: Tariff tab



Options: Tariff Details tab

To set up traffic limit notifications

You can set up traffic limit notifications if you want to be notified when a traffic limit is reached.

1. On the GPRS Monitor screen, tap **Tools > Options**.
2. Enable the notifications on the **Day Warn** and **Month Warn** tabs. You can specify up to three daily and three monthly limits.

   Once traffic reaches one of these limits, you will receive a notification.

Set up multiple profiles

When you make data transfers on your device, you may be charged with different tariffs in certain situations, or your device may need to connect through a different type of connection to send or receive data. Typical cases are GPRS roaming and different pricing for connections such as WAP. In such situations, you can set up multiple profiles in GPRS Monitor to measure the traffic and cost for each type of connection.

To set up and configure multiple profiles

1. On the GPRS Monitor screen, tap **Tools > Profiles**.
2. Select a profile that you want to customize.
3. Select the connection to be associated to this profile and enable monitoring of this connection. To do so, follow the steps in "To select the connection to be monitored".
4. Enter the tariffs that you are charged for this connection. For more information about tariffs, see "To enter service plan details".
5. Repeat steps 1 to 4 to configure more profiles.
6. When you have finished profile setup, tap **OK**.

To switch between profiles

1. On the GPRS Monitor screen, tap **Tools > Profiles**.
2. Select your desired profile, or select **Auto change profile** to enable the GPRS Monitor to automatically change to an active profile based on the connection you are using.
3. Tap **OK**.

View charts and reports

On the GPRS Monitor, you can view network connection cost charts and traffic charts, as well as generate detailed reports of network connection usage during a given period of time. These reports can be exported to CSV files that you can open using Excel, Access, or other similar spreadsheet and database software.

To view charts and generate reports

On the GPRS Monitor screen:

- Tap the **Chart** tab to view the network connection cost charts and traffic charts.
- Tap the **Report** tab to generate reports on network traffic and tariff.

For more information about using Spb GPRS Monitor, see Help on your device.

Chapter 7

Exchanging Messages and Using Outlook

7.1 E-mail and Text Messages

7.2 MMS Messages

7.3 Pocket MSN

7.4 Calendar

7.5 Contacts

7.6 Tasks

7.7 Notes

7.8 Voice Recorder

7.1 E-mail and Text Messages

Messaging is where all of your e-mail accounts and your text message account are located. You can send and receive Outlook e-mail, Internet e-mail through an Internet service provider (ISP), as well as SMS (Short Messaging Service) text messages using your mobile phone network. You can also access e-mail from work using a VPN connection.

E-mail Setup Wizard

Before you can send and receive e-mails, you need to set up your e-mail account on your device. The E-mail Setup Wizard makes it easy and simple to set up your Outlook e-mail and POP3/IMAP4 accounts on your device.

To set up e-mail accounts using E-mail Setup Wizard

1. Tap **Start** > **Messaging**.
2. Tap **Menu** > **Tools** > **New Account** to access the E-mail Setup Wizard.
3. The E-mail Setup Wizard guides you step-by-step through the setup process.

For more information on setting up your Outlook e-mail account, see "Set up Outlook e-mail". For information on POP3 or IMAP4 setup, see "Set up a POP3/IMAP4 e-mail account".

Set up Outlook e-mail

When starting ActiveSync on your computer for the first time, the Synchronization Setup Wizard prompts you to set up a synchronization relationship. This allows you to synchronize Outlook e-mail and other information between your device and your computer or the Exchange Server. If you have already set up synchronization through the wizard, then your device is ready to send and receive Outlook e-mail. For information about the Synchronization Setup Wizard, see "To install and set up ActiveSync on the computer" in Chapter 4.

If you have not set up a synchronization relationship yet, do the following to set up your device to synchronize Outlook e-mail:

1. To synchronize remotely, you need to set up and connect to an over-the-air connection (GPRS or ISP dial-up). For more details, see the procedures in "Connecting to the Internet" in Chapter 6.

2. Disconnect your device from your computer or LAN. (If you have an over-the-air connection, there is no need to disconnect).
3. Tap **Start** > **Programs** > **ActiveSync**.
4. If you want to synchronize e-mails directly with the Exchange Server on a private network such as your corporate network, follow the steps in "Synchronize Outlook information with Exchange Server" in Chapter 4.
5. Choose which information types to synchronize. Make sure **E-mail** is selected. For details, follow the steps in "To change which information is synchronized" in Chapter 4.

Everytime you want to manually send or receive Outlook e-mail on your device, just connect your device to your computer, LAN, or over-the-air connection, then tap **Sync** on the ActiveSync screen or tap **Menu** > **Send/Receive** in Outlook on your device.

For details about scheduling automatic synchronization or setting a synchronization time with the Exchange Server, see "Schedule synchronization with Exchange Server" in Chapter 4.

Set up a POP3/IMAP4 e-mail account

Set up a POP3 or IMAP4 e-mail account on your device if you have an e-mail account with an Internet service provider (ISP) or an account that you access using a VPN server connection (typically a work account).

1. Tap **Start** > **Messaging**.
2. Tap **Menu** > **Tools** > **New Account**.
3. On the E-mail Setup screen, select **Other (POP3/IMAP)** in the **Your e-mail provider** list, then tap **Next**.
4. Enter your e-mail address, then tap **Next**. **Auto configuration** attempts to download necessary e-mail server settings so that you do not need to enter them manually.
5. Once **Auto configuration** has finished, tap **Next**.
6. Enter your name (the name you want displayed when you send e-mail), user name, and password; tap **Next**.

Select the **Save password** check box if you want to save your password so that you do not need to enter it again.

If **Auto configuration** was successful, the **Your name** and **User name** fields automatically get populated. Tap **Next**, then **Finish** to complete setting up your account, or tap **Options** under **Server information** to access additional settings. For example:

- Change the time intervals for downloading new messages.
- Limit the amount of messages that are downloaded and authentication method for outgoing mails.
- Download full messages or parts of messages.

If **Auto configuration** is unsuccessful or you have an account you access using a VPN server connection, contact your ISP or network administrator for the following information and enter it manually:

Setting	Description
User name	Enter the user name assigned to you by your ISP or network administrator. This is often the first part of your e-mail address, which appears before the at sign (@).
Password	Choose a strong password. You have the option to save your password so you do not need to enter it each time you connect to your e-mail server.
Account type	Select POP3 or IMAP4.
Account name	Enter a unique name for the account, such as Work or Home. This name cannot be changed later.
Incoming mail server	Enter the name of your e-mail server (POP3 or IMAP4).
Outgoing mail server	Enter the name of your outgoing e-mail server (SMTP).
Domain	Not required for an account with an ISP. May be required for a work account.
Require SSL connection	Select this to ensure you always receive e-mail for this account using an SSL connection. This enables you to receive personal information more securely. Please note that if you select this and your ISP does not support an SSL connection, you will not be able to connect to receive e-mail.
Outgoing mail requires authentication	Select this if your outgoing e-mail server (SMTP) requires authentication. Your user name and password from above will be used.
Use separate settings	Select this if your outgoing e-mail server requires a different user name and password than the ones you entered before.

Outgoing server settings:	
User name	Enter your user name for the outgoing e-mail server.
Password	Enter your password for the outgoing e-mail server.
Domain	Enter the domain of the outgoing e-mail server.
Require SSL for outgoing mail	Select this to ensure you always send e-mail from this account using an SSL connection. This enables you to send personal information more securely. Note that if you select this and your ISP does not support an SSL connection, you will not be able to send e-mail.

Tip: You can set up several e-mail accounts in addition to your Outlook e-mail account.

Send and receive messages

To compose and send a message

1. In the message list, tap **Menu** > **Go To** and select an account.
2. Tap **New**.
3. Enter the e-mail address or mobile phone number of one or more recipients, separating them with a semicolon. To access addresses and phone numbers from Contacts, tap **To**.
4. Enter your message. To quickly add common messages, tap **Menu** > **My Text** and tap a desired message.
5. To check the spelling, tap **Menu** > **Spell Check**.
6. Tap **Send**.

Tips:

- To enter symbols, tap **Shift** using the on-screen keyboard.
- To set the priority, tap **Menu** > **Message Options**.
- If you are working offline, e-mail messages are moved to the Outbox folder and will be sent the next time you connect.
- If you are sending a text message and want to know if it was received, before composing the message, tap **Menu** > **Tools** > **Options**. Tap **Text Messages** and select the **Request delivery notifications** check box.

To reply to or forward a message

1. Open the message and tap **Reply**, or **Menu > Reply All**, or **Menu > Forward**.
2. Enter your response. To quickly add common messages, tap **Menu > My Text** and tap a desired message.
3. To check the spelling, tap **Menu > Spell Check**.
4. Tap **Send**.

Tips:

- To see more header information, scroll up.
- To always include the original message, from the list view, tap **Menu > Tools > Options > Message** tab, and select the **When replying to e-mail, include body** check box.
- In the Outlook E-mail account, you will send less data if you do not edit the original message. This may reduce data transfer costs based on your rate plan.

To exclude your e-mail address when replying to all

When you reply to all the recipients of an e-mail, your own e-mail address will also be added to the recipient list. You can customize ActiveSync so that your e-mail address will be excluded from the recipient list.

1. In ActiveSync on your device, tap **Menu > Options**.
2. Select the **E-mail** information type and tap **Settings**.
3. Tap **Advanced**.
4. In the **Primary e-mail address** text box, enter your e-mail address.
5. Tap **OK**.

To add an attachment to a message

1. In a new message, tap **Menu > Insert** and tap the item you want to attach: **Picture**, **Voice Note**, or **File**.
2. Select the file you want to attach, or record a voice note.

To receive attachments

An attachment sent with an e-mail message or downloaded from the server appears below the subject of the message. Tapping the attachment opens the attachment if it has been fully downloaded, or marks it for download

the next time you send and receive e-mail. You can also download attachments automatically with your messages if you have an Exchange Server mail account.

If you have an Outlook e-mail account, do the following:

1. Tap **Start > Programs > ActiveSync**.
2. Tap **Menu > Options**.
3. Tap **E-mail > Settings**, then select **Include file attachments**.

If you have an IMAP4 e-mail account with an Internet service provider (ISP) or an account that you access using a VPN server connection (typically a work account), do the following:

1. Tap **Start > Messaging**.
2. Tap **Menu > Tools > Options**.
3. Tap the name of the IMAP4 account.
4. Tap **Next** until you reach **Server information**, and tap **Options**.
5. Tap **Next** twice, and select **Get full copy of messages** and **When getting full copy, get attachments**.

Tip: To store attachments on a storage card rather than on the device, tap **Menu > Tools > Options > Storage** tab, and select the **Store attachments on storage card** check box.

Download messages

The manner in which you download messages depends on the type of account you have:

- To send and receive e-mail for an Outlook e-mail account, begin synchronization through ActiveSync. For more information, see "Set up Outlook e-mail" in this chapter.
- To send and receive e-mail messages for an e-mail account that you have with an ISP or that you access using a VPN server connection (typically a work account), download messages through a remote e-mail server. For more information, see "To download messages from the server" later in this chapter.
- Text messages are automatically received when the phone is turned on. When the phone is turned off, messages are held by your service provider until the next time the phone is turned on.

To download messages from the server

To send and receive e-mail messages for an e-mail account that you have with an ISP or that you access using a VPN server connection (typically a work account), you first need to connect to the Internet or your corporate network, depending on the account.

1. Tap **Menu > Go To** and tap the account you want to use.
2. Tap **Menu > Send/Receive**. The messages on your device and e-mail server are synchronized: new messages are downloaded to the device Inbox folder, messages in the device Outbox folder are sent, and messages that have been deleted from the server are removed from the device Inbox folder.

Tip: If you want to read the entire message, tap **Menu > Download Message** while in the message window. If you are in the message list, tap and hold the message, and tap **Download Message.** The message will download the next time you send and receive e-mail. This will also download message attachments if you selected those options when you set up the e-mail account.

Copy text messages from and to the SIM card

1. Tap **Start > Messaging**.
2. Tap **Menu > Go To > Text Messages**.
3. In the message list, select the text message you want to copy.
4. Do one of the following:
   - To copy a text message to the SIM card, tap **Menu > Copy to SIM**.
   - To copy a text message from the SIM card to your device, tap **Menu > Copy to Inbox**.

Note:

Text messages stored on your SIM card are automatically displayed in the Inbox folder. Copying them to your device results in duplicate messages in the Inbox folder when your SIM card is in use.

Individually sign and encrypt a message

Encrypting an Outlook e-mail message protects the privacy of the message by converting it from plain, readable text into cipher (scrambled) text. Only the recipient who has the authorization key can decipher the message.

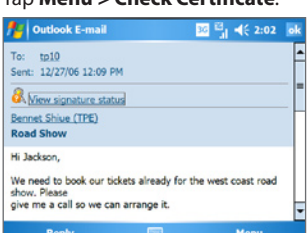
Digitally signing a message applies your certificate with the authorization key to the message. This proves to the recipient that the message is from you and not from an imposter or a hacker, and that the message has not been altered.

To digitally sign and encrypt a new message

1. In the message list, tap **Menu > Go To > Outlook E-mail**.
2. Tap **New**.
3. Tap **Menu > Message Options**.
4. Select the **Encrypt message** and **Sign message** check boxes, and tap **OK**.

Verify the digital signature on a signed message you receive

1. Open the Outlook e-mail message that has been digitally signed.
2. At the top of the message, tap **View Signature Status**.
3. Tap **Menu > Check Certificate**.



To view the details of the certificate in the message, tap **Menu > View Certificate**.

Note:

There can be several reasons why a digital signature is not valid. For example, the sender's certificate may have expired, it may have been revoked by the certificate authority, or the server that verifies the certificate is unavailable. Contact the sender to report the problem.

Manage folders

Each Messaging account has its own folder hierarchy with five default Messaging folders: Inbox, Outbox, Deleted Items, Drafts, and Sent Items. The messages you receive and send through the account are stored in these folders. You can also create additional folders within each hierarchy. The Deleted Items folder contains messages that have been deleted on the device. The behavior of the Deleted Items and Sent Items folders depends on the Messaging options you have chosen.

If you use an Outlook e-mail account, e-mail messages in the Inbox folder in Outlook will be synchronized automatically with your device. You can select to synchronize additional folders by designating them for synchronization. The folders you create and the messages you move will then be mirrored on the e-mail server. For example, if you move two messages from the Inbox folder to a folder named Family, and you have designated Family for synchronization, the server creates a copy of the Family folder and copies the messages to that folder. You can then read the messages while you are away from your PC.

If you use a text message account, messages are stored in the Inbox folder.

If you use a POP3 account and you move e-mail messages to a folder you created, the link is broken between the messages on the device and their copies on the e-mail server. The next time you connect, the e-mail server will detect that the messages are missing from the Inbox folder on the device and will delete them from the e-mail server. This prevents having duplicate copies of a message, but it also means that you will no longer have access to messages that you move to folders created from anywhere except the device.

If you use an IMAP4 account, the folders you create and the e-mail messages you move are mirrored on the e-mail server. Therefore, messages are available to you anytime you connect to your e-mail server, whether it is from your device or PC. This synchronization of folders occurs whenever you connect to your e-mail server, create new folders, or rename/delete folders when connected. You can also set different download options for each folder.

7.2 MMS Messages

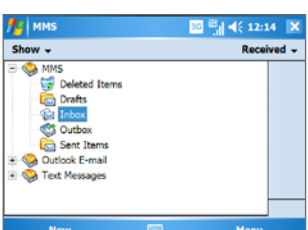
Creating and sharing multimedia messages (**MMS**) with your friends and family are easy with your device. You can attach pictures or video, and an audio clip in an MMS. You can even use the device camera to capture photos and video clips while composing a new MMS message, and send them along with your message.

Notes:

- Please note that MMS is a charged service. In order to use MMS successfully, this has to be provisioned on your mobile account. Please contact the wireless service provider to have this provisioned as part of your calling plan.
- Please ensure the size of the MMS is within the limits of the wireless service provider if sending to another mobile phone user or sending to an e-mail address.

To access MMS

1. Tap **Start** > **Messaging**.
2. Tap **Menu** > **Go To** > **MMS**.



MMS message folders

Change MMS settings

When you send an MMS message, an SMS notification message will first be sent to the recipient, while your MMS message will be temporarily stored on an MMS server of your wireless service provider. When others send you an MMS message, similarly, the MMS message will be stored on the MMS server until you retrieve it. Hence, your device must be configured with

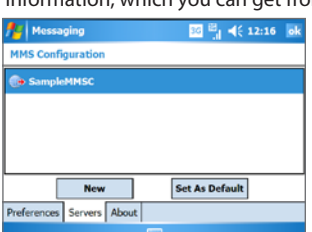
the location of the MMS server for you to be able to send and receive MMS messages on your device.

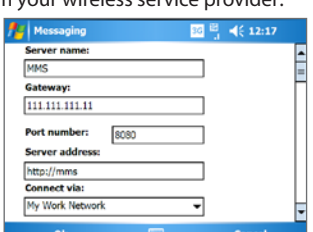
When you purchase your device, it is already preset with your wireless service provider's MMS server setings. If you accidentally lost the preset settings or you changed to another wireless service provider, follow the steps below to configure MMS settings.

To configure MMS settings

1. Tap **Start** > **Messaging**.
2. Tap **Menu** > **Tools** > **Options**.
3. Tap **MMS** in the accounts list to configure settings. The MMS Configuration screen appears.
4. In the **Preferences** tab, select or clear the provided check boxes according to your needs. You can choose to keep track of your MMS messages, retrieve messages immediately, accept or reject messages, and request a delivery or read receipt. You can also specify a resolution for images you send and message delivery attempts.
5. Tap the **Servers** tab and check if your device is preset with MMS server settings.

   If there are no preset settings, tap **New** and enter the following information, which you can get from your wireless service provider:





- **Server name**. A descriptive name, such as your wireless service provider name.
- **Gateway**. Location of the MMS server, which is usually in the form of an IP address.

- **Port number**. HTTP port number used for connecting to the MMS server and for file transfer.
- **Server address**. URL address of the MMS server.
- **Connect via**. Select the connection that your device uses for MMS.
- **Sending size limitation**. Select the maximum MMS message size allowed by your wireless service provider.
- **WAP version**. Select either **WAP 1.2** or **WAP 2.0**, depending on which one is being used by your wireless service provider.

6. Tap **OK**.

   The MMS server settings will then be added as an entry on the MMS Configuration screen.

Note:

If you add several MMS service providers to the MMS Configuration screen, you can choose one as your default MMS provider. Select the MMS provider's name in the list then tap **Set As Default**.

Create and send MMS messages

After configuring the required settings, you can start to compose and send MMS messages.

To compose an MMS message

You can compose MMS messages in a combination of various slides, where each slide can consist of a photo, audio or video clip, and/or text.

1. On the MMS screen, tap **New**.
2. When you see the Choose a MMS screen, tap a preset template, or tap **Custom** to open a blank MMS message.

Note:

If you prefer to always use a blank MMS message, select the **Always choose custom** check box.

3. In **To**, enter the recipient's phone number or e-mail address directly, or tap **To**, **Cc**, or **Bcc** to choose a phone number or an e-mail address from Contacts.
4. Enter a subject for your message.

5. Tap the **Insert** icon ( ) to select and insert a photo or video clip.

   When selecting a photo or video clip, you can:

   - Tap to view it first, then tap **Select** to use the selected photo or video clip and insert it into the MMS message you are composing.
   - Tap to take a photo and insert it into the MMS message.
   - Tap to record an MMS video clip and insert it into the MMS message.
   - Tap the **Exit** icon to quit selection and return to the MMS message.

6. Enter text and insert audio clips by tapping the respective areas. See "To add text to an MMS message" and "To add an audio clip to an MMS message" for details.
7. To add more slides, tap or tap **Menu > Slides > Insert Slide**. Repeat steps 5 and 6 to insert a photo/video, text, and audio into each slide that you added.

   While on a slide, you can:

   - Tap to preview the slide.
   - Tap to go to the previous slide.
   - Tap to go to the next slide.

8. While composing an MMS message, you can also do the following:
   - Tap **Menu > Options > Background** to choose a background color from the list.
   - Tap **Menu > Options > Text Layout**, then choose whether to place the text above, below, to the left or right of the photo/video.
   - Tap **Menu > Options > Send Options** to specify the sending time, validity, priority, class, and other settings for a message.
   - Tap **Menu > Attachment** to include a contacts card, calendar appointment, or any file as an attachment.
9. Tap **Send** to send the MMS message.

Note: You can also send an MMS message directly from the Pictures & Videos or Camera program. Do one of the following:

- In Pictures & Videos, select a picture from My Pictures, and tap **Menu > Send**. In **Select an account**, tap **MMS**.
- Capture a photo or an MMS video clip using the camera, and tap the **Send** icon. In the Send File dialog box, tap **Send via MMS**.

To create an MMS message from a template

- While on an MMS message, tap **Menu > Template > New from Template** to compose a message using a predefined template.

Note:
To save a message as a template, open the message and tap **Menu > Template > Save as Template**.

To add text to an MMS message

When entering text into an MMS message, you can do the following:

- Tap inside the text box and enter your own text.
- Choose from common words or phrases. Tap to add a text string from the My Text list.
- Tap to add an emoticon.
- You can easily include a Web page link. Tap then select a Web page address from the Internet Favorites list on your device.

Tip: To edit or delete a phrase on the My Text list, tap and hold a string, then tap **Edit** or **Delete** from the shortcut menu. To create and add a new phrase to the list, tap **New**.

To add an audio clip to an MMS message

You can add audio clips to your MMS message. However, you can add only one audio clip per slide.

1. Tap **Insert audio**.
   By default, My Documents will be shown. Tap My Music or another folder that contains audio files. When navigating folders, tap the Down arrow ( ) to return to the upper folder.
2. Select an audio file. When selected, you can:
   - Tap to play the audio clip.
   - Tap to pause, or tap to stop playback.
   - Tap **Select** to insert it into your MMS message.
   - Tap the **Exit** icon to quit selection and return to your MMS message.

- To record a new audio clip and add it to your MMS message, tap . The Record pop-up window then opens. Tap **Record** to start recording, and **Stop** to end the recording. Tap **Play** to listen to the recorded audio clip, then tap **Done**. The new audio clip is automatically inserted into your MMS message.

View, and reply to MMS messages

To view an MMS message

- Use the playback controls , , and .
- Tap **Objects** to see a list of files included in the message. On the Message Objects screen, you can do the following:
  - To save a file, select it, and tap **Menu > Save**.
  - To save the contents of a text file to the My Text list, tap **Menu > Save into "My Text"**.
  - To associate a photo to one of your contacts, tap **Menu > Assign to Contact**.

To reply to an MMS message

- Tap **Menu > Reply** to reply to the sender of the message, or tap **Menu > Reply All** to reply to all persons listed in To, Cc, and Bcc of the message.

7.3 Pocket MSN

Pocket MSN delivers the features of Hotmail and MSN Messenger to your device. With MSN Messenger you can do the following:

- Send and receive instant messages.
- See which contacts are online or offline.
- Subscribe to status updates for selected contacts so you know when they come online.
- Block contacts from seeing your status or sending you messages.

Before you can use MSN Messenger, your device must be connected to the Internet. For information about setting up an Internet connection, see "Connecting to the Internet" in Chapter 6.

Note:

You must have either a Microsoft .NET Passport or Hotmail account to use MSN Messenger. If you have a Hotmail.com or MSN.com e-mail address, you already have a Passport. To get a Passport account, go to **http://www.passport.com**. To get a Hotmail account, go to **http://www.hotmail.com**.

To start MSN Messenger

1. Tap **Start** > **Programs** > **Pocket MSN**.
2. Tap **MSN Messenger**.

To sign in or out

- To sign in, tap anywhere on the MSN Messenger screen. Enter the e-mail address and password for your Passport or Hotmail account, and tap **Sign In**. Signing in may take several minutes, depending on your connection speed.
- To sign out, tap **Menu** > **Sign Out**. Your status changes to **Offline**.

To add or delete contacts

- To add a contact, tap **Menu** > **Add a Contact**, and follow the instructions on the screen.
- To delete a contact, tap and hold the contact's name, and tap **Delete Contact**.

To send an instant message

1. Tap the contact to whom you want to send a message.
2. Enter your message in the text entry area at the bottom of the screen, and tap **Send**.

Tip: To quickly add common phrases, tap **Menu** > **My Text** and select a phrase in the list.

7.4 Calendar

Use **Calendar** to schedule appointments, including meetings and other events. Your appointments for the day can be displayed on the Today screen. If you use Outlook on your PC, you can synchronize appointments between your device and PC. You can also set Calendar to remind you of appointments with a sound or flashing light, for example.

You can look at your appointments in several different views (Day, Week, Month, Year, and Agenda). To see detailed appointment information in any view, tap the appointment.

To schedule an appointment

1. Tap **Start** > **Calendar**.
2. Tap **Menu** > **New Appointment**.
3. Enter a name for the appointment, and enter information such as start and end times.
4. To schedule an all-day event, in the **All Day** box, tap **Yes**.
5. When finished, tap **OK** to return to the calendar.

Notes:

- All-day events do not occupy blocks of time in Calendar; instead, they appear in **banners** at the top of the calendar.
- To cancel an appointment, tap the appointment and tap **Menu** > **Delete Appointment.**

Tip: To have the time entered automatically in Day view, tap the time slot for the new appointment, and tap **Menu** > **New Appointment**.

To send a meeting request

Use Calendar to schedule meetings via e-mail with contacts who use Outlook or Outlook Mobile.

1. Tap **Start** > **Calendar**.
2. Schedule a new appointment, or open an existing one and tap **Edit**.
3. Tap **Attendees**.
4. Tap the name of the contact you want to invite.
5. To invite each additional attendee, tap **Add** and tap the name.

6. Tap **OK**.
7. The meeting request will be sent to the attendees the next time you synchronize your device with your PC.

Note:

When attendees accept your meeting request, the meeting is automatically added to their schedules. When their response is sent back to you, your calendar is updated as well.

To set a default reminder for all new appointments

You can have a reminder automatically turned on for all new appointments you schedule.

1. Tap **Start** > **Calendar**.
2. Tap **Menu** > **Options** > **Appointments** tab.
3. Select the **Set reminders for new items** check box.
4. Set the time when you want the reminder to alert you.
5. Tap **OK** to return to the calendar.

7.5 Contacts

Contacts is your address book and information storage for the people and businesses you communicate with. Store phone numbers, e-mail addresses, home addresses, and any other information that relates to a contact, such as a birthday or an anniversary date. You can also add a picture or assign a ring tone to a contact.

From the contact list, you can quickly communicate with people. Tap a contact in the list for a summary of contact information. From there, you can call or send a message.

If you use Outlook on your PC, you can synchronize contacts between your device and PC.

To create a contact on your device

1. Tap **Start** > **Contacts**.
2. Tap **New** and enter the contact information.
3. When finished, tap **OK**.

Tips:
- If someone who is not in your list of contacts calls you, you can create a contact from Call History by tapping and holding a phone number and then tapping **Save to Contacts** from the shortcut menu.
- To save a phone number that is contained in a message, tap the phone number, then tap **Menu > Save to Contacts**.
- In the list of contact information, you'll see where you can add a picture or assign a ring tone to a contact.

To create a contact on your SIM card

1. Tap **Start > Programs > SIM Manager**. This opens the SIM Manager program.
2. Tap **New** and enter a contact name and phone number.
3. Tap **Save** to save the information on your SIM card.

To change contact information

1. Tap **Start > Contacts**.
2. Tap the contact.
3. Tap **Menu > Edit** and enter the changes.
4. When finished, tap **OK**.

Tip: To change contact information on your SIM card, tap **Start > Programs > SIM Manager**, then tap a SIM contact and edit it. After modifying, tap **Save**.

To work with the contact list

There are several ways to use and customize the contact list. Here are a few tips:

1. Tap **Start > Contacts**.
2. In the contact list, do any of the following:
   - In Name view, you can search for a contact by entering a name or number, or by using the alphabetical index. To switch to Name view, tap **Menu > View By > Name.**
   - To see a summary of information about a contact, tap the contact. From there you can also make a call or send a message.
   - To see a list of available actions for a contact, tap and hold the contact.

- To see a list of contacts employed by a specific company, tap **Menu > View By > Company**, then tap the company name.

To copy SIM contacts to your device

If you have saved contacts on your SIM card, you can copy them into Contacts on your device.

1. Tap **Start > Programs > SIM Manager**.
2. Select the desired item, or select all SIM contacts by tapping **Menu > Select All**.
3. Tap **Menu > Save to Contacts**.

To copy contacts to the SIM card

Only one phone number per contact name can be stored on a SIM card. When you copy a contact that has several phone numbers to your SIM card, SIM Manager saves each number under a separate name.

To save each number under a different contact name on the SIM card, SIM Manager appends an indicator at the end of each name. By default, /M, /W and /H are appended to indicate mobile, work and home phone numbers respectively. You can edit this indicator first before you start copying contacts to your SIM card. Indicators of the other types of phone numbers are left empty for you to define them.

1. Tap **Start > Programs > SIM Manager**, then tap **Menu > Tools > Options**.
2. On the Options screen, select the check boxes of the types of phone numbers that you want to be added to the SIM card.
3. Under the **Mark** column, you can change the indicator that will be appended to the SIM contact names for each phone number type. To do so, select a phone type, tap **Edit**, enter your desired indicator, then tap **Save**.
4. After modifying, tap **OK**.
5. Tap **Menu > Contacts to SIM**.
6. Select the check boxes of the contact's phone numbers that you want to copy to your SIM card, then tap **Save**.

To find a contact on your device

There are several ways to find a contact when your contact list is long.

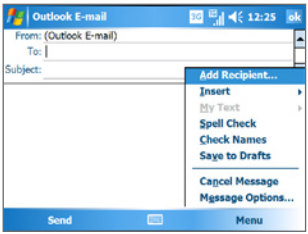
1. Tap **Start** > **Contacts**.
2. If you are not in Name view, tap **Menu** > **View By** > **Name**.
3. Do one of the following:
   - Begin entering a name or phone number in the provided text box until the contact you want is displayed. To show all contacts again, tap the text box and clear the text, or tap the arrow to the right of the text box.
   - Use the alphabetical index displayed at the top of the contact list.
   - Filter the list by categories. In the contact list, tap **Menu** > **Filter**, then tap a category you've assigned to a contact. To show all contacts again, select **All Contacts**.

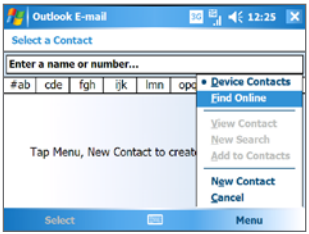
To find a contact online

In addition to having contacts on your device, you can also access contact information from your organization's Global Address List (GAL). GAL is the address book that contains all user, group, and distribution list e-mail addresses of your organization, and it is stored on the Exchange Server. By having direct online access to it from your device, it is quick and easy for you to plan a meeting and e-mail a meeting request immediately to anyone in your organization.

Access to the GAL is available if your organization is running Microsoft Exchange Server 2003 SP2 and you have completed your first synchronization with the Exchange Server.

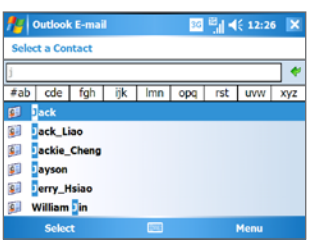
1. Synchronize with Exchange Server if you have never done so.
2. Tap **Start** > **Contacts** > **Menu** > **View By** > **Name**.
3. Do any of the following:
   - In Contacts, tap **Menu** > **Find Online**.
   - In a new message, tap the **To** box. Tap **Menu** > **Add Recipient** > **Menu** > **Find Online**.





- In a new meeting request using Calendar, tap **Attendees** and then tap **Menu > Find Online**.

4. Enter the part or full contact name and tap **Find**. Tap **Select** to choose the desired contact(s) from the list.



Notes:

- Your device must be set up with a data connection.
- You can search on the following information as long as that information is included in your organization's GAL: First name, Last name, E-mail name, Display name, E-mail address, or Office location.

To send contact information via text messaging

1. Tap **Start > Contacts**, then select a contact.
2. Tap **Menu > Send Contact > Text Messages**.
3. Select the contact information you want to send, then tap **Done**.
4. In the new text message, enter the mobile phone number of the recipient, then tap **Send**.

7.6 Tasks

Use **Tasks** to keep track of things you need to do. A task can occur once or repeatedly (recurring). You can set reminders for your tasks and you can organize them using categories.

Your tasks are displayed in a task list. Overdue tasks are displayed in red.

To create a task

1. Tap **Start** > **Programs** > **Tasks**.
2. Tap **Menu** > **New Task**, enter a subject for the task, and fill in information such as start and due dates, priority, and so on.
3. When finished, tap **OK**.

Tip: You can easily create a short, to-do type task. Simply tap the **Tap here to add a new task** box, enter a subject, and tap the Enter button on the on-screen keyboard. If the task entry box is not available, tap **Menu** > **Options** and select the **Show Tasks entry bar** check box.

To change the priority of a task

Before you can sort tasks by priority, you need to specify a priority level for each task.

1. Tap **Start** > **Programs** > **Tasks**.
2. Tap the task you want to change the priority for.
3. Tap **Edit**, and in the **Priority** box, tap a priority level.
4. Tap **OK** to return to the task list.

Note: All new tasks are assigned a Normal priority by default.

To set a default reminder for all new tasks

You can have a reminder automatically turned on for all new tasks you create.

1. Tap **Start** > **Programs** > **Tasks**.
2. Tap **Menu** > **Options**.
3. Select the **Set reminders for new items** check box.
4. Tap **OK** to return to the task list.

Note:

The new tasks must have due dates set in order for the reminder to take effect.

To show start and due dates in the task list

1. Tap **Start** > **Programs** > **Tasks**.
2. Tap **Menu** > **Options**.
3. Select the **Show start and due dates** check box.
4. Tap **OK**.

To locate a task

When your list of tasks is long, you can display a subset of the tasks or sort the list to quickly find a specific task.

1. Tap **Start** > **Programs** > **Tasks**.
2. In the task list, do one of the following:
   - Sort the list. Tap **Menu** > **Sort By**, and tap a sort option.
   - Filter the list by category. Tap **Menu** > **Filter**, and tap the category you want displayed.

Tip: To filter your tasks further, tap **Menu** > **Filter** > **Active Tasks** or **Completed Tasks**.

7.7 Notes

Notes helps you to quickly capture thoughts, questions, reminders, to-do lists, and meeting notes. You can create handwritten and typed notes, record voice notes, convert handwritten notes to text for easy reading, and send notes to others.

Enter information in Notes

There are several ways to enter information in a note. You can enter typed text by using the on-screen keyboard or handwriting recognition software. You can use the stylus to write or draw directly on the screen.

To set the default input mode for Notes

If you frequently add drawings to your notes, you may find it helpful to set **Writing** as the default input mode. If you prefer typed text, select **Typing**.

1. Tap **Start** > **Programs** > **Notes**.
2. In the note list, tap **Menu** > **Options**.
3. In the **Default mode** box, tap one of the following:
   - **Writing** if you want to draw or enter handwritten text in a note.
   - **Typing** if you want to create a typed note.
4. Tap **OK**.

To create a note

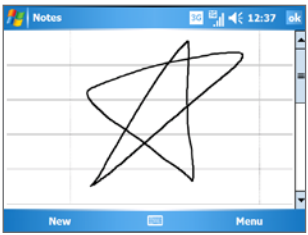
1. Tap **Start** > **Programs** > **Notes**. In the note list, tap **New**.
2. Tap the **Input Selector** arrow next to the **Input Method** icon on the menu bar, tap the input method you want, and enter your text.
3. If the **Input Selector** arrow is not displayed, tap the **Input Method** icon.
4. When finished, tap **OK** to return to the note list.

Notes:

- To select handwritten text, tap and hold next to the writing. As soon as dots appear, and before they form a complete circle, quickly drag across the writing.
- If a letter crosses three ruled lines, it is treated as a drawing rather than text.

To draw in a note

1. Tap **Start** > **Programs** > **Notes**.
2. In the note list, tap **New**.
3. To draw on the screen, use the stylus like a pen.



Drawing on the screen

4. A selection box appears around your drawing.
5. When finished, tap **OK** to return to the note list.

Note: To select a drawing (for example, to copy or delete it), tap and hold the drawing briefly. When you lift the stylus, the drawing is selected.

Record a voice note

You can create a stand-alone recording (voice note) or you can add a recording to a note.

To create a voice note

1. Tap **Start > Programs > Notes**.
2. Do one of the following:
   - To create a stand-alone recording, record from the note list.
   - To add a recording to a note, create or open a note.
3. If you do not see the Recording toolbar, tap **Menu > View Recording Toolbar**.
4. Tap the **Record** icon (●) to begin recording.
5. Hold your device's microphone near your mouth or other source of sound.
6. Tap the **Stop** icon (■) when finished recording.
7. If you are adding a recording to a note, tap **OK** to return to the note list when finished.
8. If you are recording in an open note, an icon will appear in the note.

9. If you are creating a stand-alone recording, the recording will appear in the note list.

Note:

To quickly create a recording, press and hold the VOICE COMMAND button, then you can begin to record after a beep sound. Release the button when you are finished.

To change recording formats

1. Tap **Start** > **Settings** > **Personal** tab > **Input**.
2. Tap the **Options** tab, and select the desired format you want in the **Voice recording format** list.
3. Tap **OK**.

Note:
You can also change recording formats from within Notes. In the note list, tap **Menu** > **Options** > **Global Input Options** link (at the bottom of the page), then tap the **Options** tab.

7.8 Voice Recorder

Voice Recorder lets you record your voice and then quickly send it via MMS or e-mail, beam it or set the recorded voice as your ringtone. Voice Recorder saves the audio file in the AMR-NB format.

To record your voice

1. On the Today screen, tap **Start** > **Programs** > **Voice Recorder**.
2. Hold the device's microphone near your mouth.
3. Tap **Record** or to start recording a voice clip. You can tap **Pause** to temporarily stop recording. When you want to continue recording, tap **Resume**.
4. Tap **Stop** to stop recording.

All recordings are saved in the **My Voices** folder by default. You can choose another folder to save voice recordings by tapping ▼ beside the folder name on the top-left of the screen and then in the menu, choose the folder where to save future recordings.

To play back a voice recording

1. On the Voice Recorder screen, select the voice recording you want to play back.
2. Tap . You can also double-tap the voice recording to play it back.

Notes:

- Tap to increase the volume; Tap to decrease the volume.
- Tap to toggle between muting and unmuting the volume.

To send the voice recording via MMS

1. On the Voice Recorder screen, select the voice recording you want to send via MMS.
2. Tap **Menu** > **Send via MMS**. This automatically opens the MMS program with the voice recording automatically inserted as the audio file for the MMS message.

See "MMS Messages" in this chapter to learn how to compose and send MMS messages.

To send the voice recording via e-mail

1. On the Voice Recorder screen, select the voice recording you want to send via e-mail.
2. Tap **Menu** > **Send** > **Outlook E-mail**. This automatically opens the Outlook E-mail with the voice recording automatically inserted as an attachment for the e-mail.

See "Send and receive messages" in this chapter to learn how to compose and send e-mails.

To beam the voice recording

1. On the Voice Recorder screen, select the voice recording(s) you want to beam.
2. Tap **Menu > Beam File**.
3. Tap the device you want to send the voice recording(s) to.
4. On the other device, accept the file transfer to receive the file.

To set the voice recording as a ring tone

1. On the Voice Recorder screen, select the voice recording you want to set as your device's ring tone.
2. Tap **Menu** > **Set as Ringtone**.

To rename or move a recording

1. On the Voice Recorder screen, select the voice recording you want to rename or move to another location.
2. Tap **Menu** > **Rename/Move**.
3. Enter the new **Name** for the voice recording.
4. To move the voice recording, select the new destination **Folder** and **Location**.
5. Tap **OK**.

Tip: If multiple voice recordings are selected, you can only move the files but not rename them.

Chapter 8

Using GPS

8.1 Guidelines and Preparation for Using GPS

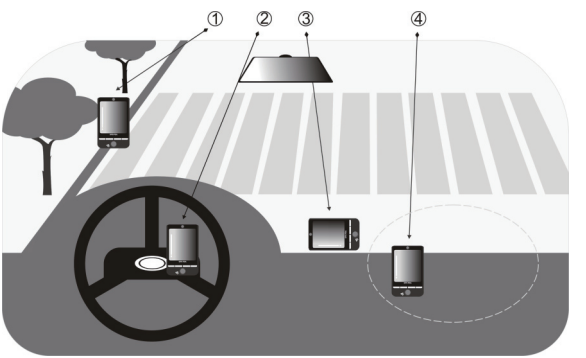
8.2 Downloading Satellite Data via QuickGPS

8.3 Using GPS Software

8.4 GPS Controls

8.1 Guidelines and Preparation for Using GPS

- Do not operate the GPS system while driving.
- The plotted GPS route is only for driving references. It should not affect actual driving behavior.
- Please use the GPS system cautiously. Users shall be liable for any damages resulting from negligent operation of the system.
- When using inside a vehicle, please utilize the car holder to mount the Pocket PC securely in place. Please avoid the areas shown in the following diagram:



1. Do not place where it will block the driver's vision.
2. Do not place at where the air bags are.
3. Do not place anywhere in the vehicle without securing in the holder.
4. Do not place where the air bags could deploy.

- The GPS signal cannot pass through solid non-transparent objects. Signal reception may be affected due to obstructions such as high-rise buildings, tunnels, bridges, forests, bad weather (rainy or cloudy days), etc.

- Signal reception may be affected by obstructions such as high-rise buildings, tunnels, bridges, forests, weather (rainy or cloudy days), etc. If the vehicle's visor contains metal, it will be difficult for the GPS signal to pass through. To have better signal reception, try connecting your device to an external GPS antenna.
- The Global Positioning System (GPS) is built and operated by the US Defense Department. The Department is responsible for the accuracy and maintenance of the system. Any changes that the Department makes may affect the accuracy and function of the GPS system.
- Wireless communication products (such as mobile phones or radar-detecting devices) may interfere with the satellite signal, resulting in unstable signal reception.
- Please do not leave your Pocket PC in the vehicle and expose to direct sunlight to avoid overheating the battery that could pose damage to the device or risk to the vehicle.

8.2 Downloading Satellite Data via QuickGPS

Before you start to use your device for GPS navigation, open the **QuickGPS** program first to download Ephemeris data (current satellite position and timing information) onto your device. This data is needed to determine the GPS position of your current location.

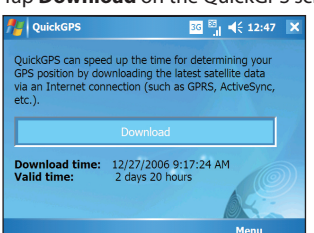
QuickGPS downloads Ephemeris data from a Web server, instead of from the satellites, using the Internet connection on your device, which can be via ActiveSync, Wi-Fi, or GPRS. This significantly speeds up the time for determining your GPS position.

To open QuickGPS

- Tap the QuickGPS icon ( ) on the Today screen; or
- Tap **Start** > **Programs** > **QuickGPS**.

To download data

- Tap **Download** on the QuickGPS screen.

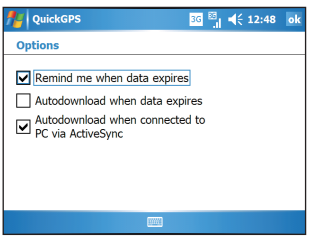

QuickGPS
12:47
QuickGPS can speed up the time for determining your GPS position by downloading the latest satellite data via an Internet connection (such as GPRS, ActiveSync, etc.).
Download
Download time: 12/27/2006 9:17:24 AM
Valid time: 2 days 20 hours
Menu

On the screen, initially, you will see the **Valid time** of the downloaded data to be 3 days. As days and time pass, the remaining days and time of validity will be shown.

To speed up GPS positioning, download the latest Ephemeris data when the validity of the data expires.

Download options

To configure download times, tap **Menu** > **Options** and choose from the following options:



- **Remind me when data expires**. Enables your device to display a reminder message when the validity of the Ephemeris data has expired.

  When you see the reminder message, tap **Menu** to dismiss the reminder or to set the snooze time so that you will be reminded again. Tap **OK** to open the QuickGPS program and download the latest data.

- **Autodownload when data expires**. Allows Ephemeris data to be automatically updated onto your device when the data has expired.
- **Autodownload when connected to PC via ActiveSync**. Allows Ephemeris data to be automatically downloaded via ActiveSync to your device when your device is connected to your computer. Your computer must be connected to the Internet in order to download data.

Note:

The Ephemeris data are stored on HTC Web servers. QuickGPS is preconfigured to connect to these servers.

8.3 Using GPS Software

Your device is preinstalled with the GPS software.

To open the GPS software

- Tap **Start** > **Programs** then tap its program icon; or

For information about using the GPS software, see Help on your device.

8.4 GPS Controls

When a map or menu is shown on the GPS software, use the following controls on your device to navigate:

- On the Map Browser screen, press NAVIGATION up to zoom in, press NAVIGATION down to zoom out on a map.
- Use the NAVIGATION CONTROL to scroll through items in a menu. Press the CENTER OK button to select a menu item and open the corresponding screen.

Chapter 9

Experiencing Multimedia

9.1 Using Camera

9.2 Using Pictures & Videos

9.3 Using Windows Media Player Mobile

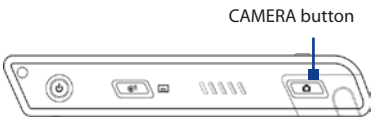
9.4 Using Streaming Media

9.1 Using Camera

Taking photos and recording video clips along with audio are easy with your device's built-in camera.

To open the Camera screen

- Press the CAMERA button on your device.



- Tap **Start** > **Programs** > **Camera**; or
- Tap **Start** > **Programs** > **Pictures & Videos** > **Camera** icon; or

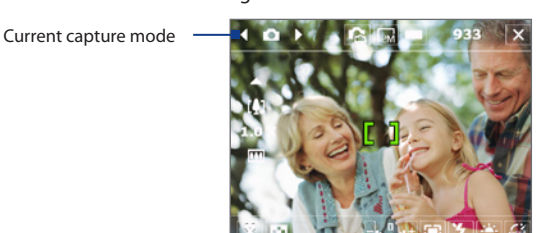
To exit the Camera

- Tap the **Exit** icon ( ).

Capture modes

The camera on your device allows you to capture pictures and video clips by using various built-in modes with flexibility. The Camera mode is set to the Photo capture mode by default. The upper left corner of the screen displays the active capture mode. To switch to other capture modes, do any of the following:

- Tap or on the screen.
- Press NAVIGATION left or right.



The available capture modes of the camera are as follows:

- **Photo**: Captures standard still images.
- **Video**: Captures video clips, with or without accompanying audio.
- **MMS Video**: Captures video clips suitable for sending via MMS.
- **Contacts Picture**: Captures a still image and gives you the option to immediately assign it as a Photo ID for a contact.
- **Picture Theme**: Captures still images and places them within frames.
- **Panorama**: Captures a sequence of still images continuously in one direction, and allows stitching of all the images to create a panoramic view of a scenery.
- **Sports**: Captures a sequence of still images (3, 5, 7, or 10) automatically.
- **Burst**: Captures a sequence of still images (maximum 30) as long as the CAMERA button on the device or the CENTER OK button on the NAVIGATION CONTROL is kept pressed.

File formats supported

Using the above capture modes, the camera in your device captures files in the following formats:

Capture type	Format
Still image	JPEG
Video	MPEG-4 (.mp4)
MMS Video	H.263 baseline (.3gp), MPEG-4 (.mp4)
Panorama / Sports / Burst	JPEG

Camera controls

Use the following device buttons and on-screen controls to take photos or video clips and to modify settings.

The CAMERA and CENTER OK buttons

Press the CAMERA button on the device to open the Camera screen. If already on the Camera screen, you can use either the CAMERA button or the CENTER OK button as the shutter release.

- Press the CAMERA button or the CENTER OK button to take a photo or contacts picture.
- Press the CAMERA button or the CENTER OK button to start recording video; press it again to stop recording.
- Press the CAMERA button or the CENTER OK button each time when taking photos for a picture theme or panorama.
- To take consecutive shots in Sports mode, press the CAMERA button or the CENTER OK button shortly, then move your device to follow the movement of your subject.
- Press and hold the CAMERA button or the CENTER OK button when taking consecutive shots in Burst mode.
- Press the CAMERA button halfway to activate autofocus [ ]. Once focused, the indicator changes to [ ] and you will hear two beeping sounds. Press the CAMERA button all the way to take the shot.

The Navigation Control

- Press NAVIGATION up or down to increase or decrease the zoom level.
- Press NAVIGATION left or right to go to the previous or next sequential capture mode.

On-screen controls and indicators

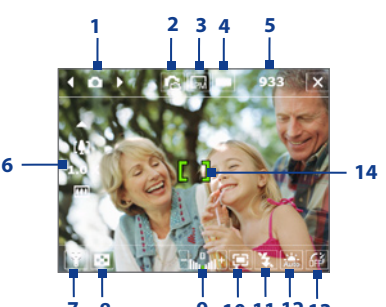
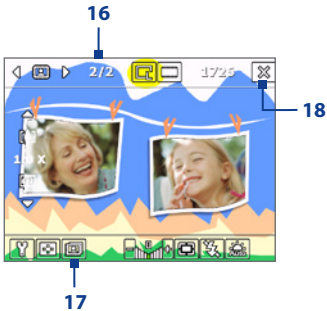


Photo mode

Video mode



Picture Theme mode

1. **Mode Switching control**. Tapping the left/right arrow (/) on the screen allows you to switch the capture mode.
2. **Camera Switching control**. The camera icon (/ /) indicates the current camera being used. Tap to toggle between the different cameras.
3. **Resolution**. The resolution icon (/ / / /) indicates the current resolution. Tap to toggle among the different resolutions.
4. **Storage**. Tap to toggle between saving captured photos or video clips on the device memory ( ), on the memory card ( ), on the SIM card ( ) (MegaSIM card only), or on the Microdrive ( ) .
5. **Remaining information indicator**. In Photo, Contacts Picture, Picture Theme, Panorama, Sports, and Burst modes, this shows the remaining, available shots of pictures based on current settings. In Video and MMS Video modes, this shows the remaining duration that can be recorded. While recording video, this shows the recorded duration.
6. **Zoom control**. Tapping the up/down arrow (/) or tapping / on the screen allows you to zoom in or zoom out.
7. **Camera Settings**. Tap the **Tool** icon ( ) to open the Camera Settings screen.
8. **Picture Viewer**. Tap the **Viewer** icon ( ) to view the picture or video in Pictures & Videos.

9 **Brightness**. Tapping the minus/plus icon (/) decreases or increases the brightness level.

10 **Metering Mode**. Tap to toggle the metering mode between **Center Area** ( ) and **Average** ( ).

11 **Flash Light**. Tap to turn on or off the flash light that is located at the back of your device. When the flash light is on, the camera gives off a flash when taking photos.

12 **White Balance**. Tap to toggle among the different white balance settings: Auto ( ), Daylight ( ), Night ( ), Incandescent ( ), and Fluorescent ( ).

13 **Self-timer**. Tap to set the Self-timer to 2 seconds, 10 seconds, or off when in the Photo or Contacts Picture mode. When you press the CENTER OK button or the CAMERA button to capture a still image, it starts to count down, and then captures a still image after the assigned time (2 seconds or 10 seconds).

14 **Autofocus indicator**. Shows when autofocus is activated. When in **Panorama** or **Picture Theme** mode, autofocus will be used for each shot. When in **Sports** or **Burst** mode, only the first shot will use autofocus.

15 **Recording indicator**. This shows a red, blinking indicator while video recording is in progress.

16 **Progress indicator**. In Picture Theme, Panorama, Sports, and Burst modes, this shows the total number of consecutive shots.

17 **Template Selector icon**. In Picture Theme mode, tap to toggle among the different templates.

18 **Exit**. Tap the **Exit** icon ( ) to exit the Camera program.

Still image capture modes

While using Still Image capture modes, such as **Photo**, **Contacts Picture**, **Picture Theme**, **Panorama**, **Sports**, and **Burst**, you can capture still image(s) by pressing the CAMERA button on the device or the CENTER OK button on the NAVIGATION CONTROL. Still images will be saved in JPEG format.

While capturing an image in the Picture Theme capture mode, you can select a preset template. To view and select from different templates, tap on the Camera screen. Depending on the chosen template, one or more photos may need to be taken for the template.

Video capture mode

While using the **Video** capture mode, you can press the CAMERA button or the CENTER OK button to start recording a video clip (with audio if desired). To stop recording, press the CAMERA button or the CENTER OK button again. Your device displays the first frame of the captured video clip by default on the Review screen.

Before you capture a video clip, you can specify the desired length of recording in terms of time or file size on the Camera Settings screen.

Video clips will be saved in MPEG-4 format.

MMS Video capture mode

The **MMS Video** capture mode makes it convenient for you to capture a video file and then send it via MMS. Press the CENTER OK button or the CAMERA button to start recording a video clip (with audio if desired). To stop recording, press the CENTER OK button or the CAMERA button again.

The recording length of MMS video is fixed. Recording automatically stops when the preset length is reached. However, you can manually stop recording the video anytime. The time indicator at the upper right side of the Camera screen indicates the time limit.

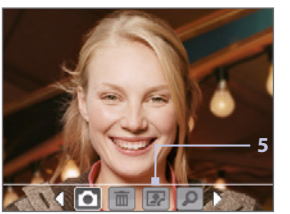
You can specify the capture format to be either H.263 or MPEG-4 on the Camera Settings screen; however, the ideal format for MMS is H.263 (3GPP). After you capture the video file, tap on the Review screen to send the file through MMS.

The Review screen

After taking a still image or recording a video clip, you can view the image or video clip on the **Review screen**. In addition, you can tap the icons at the bottom of the Review screen to delete a captured image or video, send it via e-mail or MMS, and more.

Review screen icons

Photo, Video, MMS Video, Panorama, and Picture Theme modes



Contacts Picture mode

Sports and Burst modes

1. **Back**. Tap to go back to Camera screen.
2. **Delete**. Tap to remove the captured image or video.
3. **Send**. Tap to send via e-mail or MMS.
4. **View**. Tap to view the image in the Pictures & Videos program, or play the captured video in Windows Media Player Mobile.
5. **Assign to Contacts**. Tap to associate the photo to a selected contact.

6 **Browse**. After you have taken photos in Sports or Burst mode, the total number of consecutive shots is shown in the lower right corner of the Review screen. Tap the up/down arrow ( ) to browse through the sequence of photos.

To change the display duration of the Review screen

1. Tap to open the Camera Settings screen.
2. On the Camera Settings screen, tap . The Advanced menu then appears.
3. Tap **Review Duration**, then tap the desired time length for displaying captures on the Review screen.

Zooming

While capturing a still image or a video clip by using the camera, you can zoom in to make the object in focus move closer, and you can zoom out to make the object move farther away. In all capture modes, press NAVIGATION up on your device, or tap the triangular Up arrow above the Zoom Ratio indicator, to zoom in your subject. When the zooming limit is reached, you will hear a beep. To zoom out, press NAVIGATION down, or tap the Down arrow. The camera zoom range for a picture or a video clip depends on the capture mode and capture size. The following is a summary.

Capture mode	Capture size setting	Zoom range
Photo	3M (2048 x 1536)	No zooming available
	2M (1600 x 1200)	No zooming available
	1M (1280 x 1024)	No zooming available
	Large (640 x 480)	1.0x to 4.0x
	Medium (320 x 240)	1.0x to 8.0x
	Small (160 x 120)	1.0x to 10.0x
Video	CIF (352 x 288)	No zooming available
	Large (320 x 240)	No zooming available
	Medium (176 x 144)	1.0x to 2.0x
	Small (128 x 96)	1.0x to 2.0x

Capture mode	Capture size setting	Zoom range
MMS Video	Medium (176 x 144)	1.0x to 2.0x
	Small (128 x 96)	1.0x to 2.0x
Contacts Picture	Large (640 x 480)	1.0x to 4.0x
	Medium (320 x 240)	1.0x to 8.0x
	Small (160 x 120)	1.0x to 8.0x
Picture Theme	Determined by the current template	Depends on the size of the template currently loaded
Panorama	Large (640 x 480)	1.0x to 4.0x
	Medium (320 x 240)	1.0x to 8.0x
	Small (160 x 120)	1.0x to 8.0x
Sports	Large (640 x 480)	1.0x to 2.0x
	Medium (320 x 240)	1.0x to 8.0x
Burst	1M (1280 x 1024)	No zooming available
	Large (640 x 480)	1.0x to 2.0x
	Medium (320 x 240)	1.0x to 8.0x

Note:
The capture sizes available for certain capture formats also vary from one capture mode to another. The zoom range has been calculated based on the following ratio:

- 1.0x = normal size (no zooming)
- 2.0x = double enlargement
- 4.0x = four times enlargement
- 8.0x = eight times enlargement
- 10.0x = ten times englargement

The Camera Settings screen

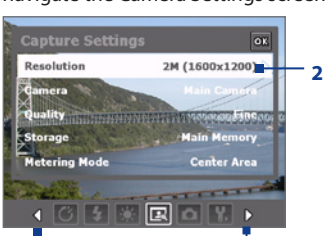
Camera Settings screen in Photo mode

While capturing a still image or video clip using any capture modes, tap the **Tool** icon ( ) to access the Camera Settings screen. The Camera Settings screen allows you to configure the capture settings.

When you tap the icons at the bottom of the Camera Settings screen, different menus will appear. Some menus and options may be available only in certain capture modes.

To navigate the Camera Settings screen

You can either tap on-screen or press the Navigation Control buttons to navigate the Camera Settings screen.

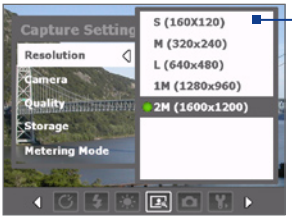


1. Tap an icon to display the desired menu.

   Alternatively, when using the Navigation Control, press NAVIGATION down first. The background of the icon bar at the bottom then changes color. Now, press NAVIGATION left/right or tap the left/right arrow (/) to navigate to the icon of the desired menu. Once the desired menu is displayed, press NAVIGATION up.

2. Tap an option on the menu to open a submenu of available settings.

   Alternatively, press NAVIGATION up/down to select an option, then press NAVIGATION right to open its submenu.



3 Tap or press the CENTER OK button to select a setting and close the submenu.

Alternatively, press NAVIGATION up/down to select a setting, then press NAVIGATION left to close the submenu.

For more information about the different menus and settings, see the succeeding sections.

Self-timer menu

- **Self-timer**. Select the Self-timer option for capturing images: **Off**, **2 seconds**, or **10 seconds**. Selecting 2 seconds or 10 seconds delays the capturing by the specified time after you press the CAMERA button or the CENTER OK button.

Template menu

- **Template**. Select a template (in Picture Theme mode only).

Panorama Settings menu

- **Direction**. Choose in what direction images will be stitched in a panorama.
- **Stitch Count**. Select the desired number of snapshots to be taken and stitched into a panorama.
- **Auto Stitch**. When the Auto Stitch is **On**, the camera automatically stitches snahpshots into one single file. If Auto Stitch is **Off**, the snapshots are saved as separate files.

Sports Settings menu

- **Snapshots**. Select the number of consecutive shots to capture.

Flash Light menu

- **Flash Light**. Set this option to **On** to turn on the flash light (located at the back of your device) so that you can shoot photos or video clips in a dark-lit environment. This also allows the camera to give off a flash when taking photos. The flash flight is available for use in all capture modes except in Sports and Burst modes.

Ambience menu

- **White Balance**. Select a white balance setting type such as Fluorescent, Night, etc. to suit your lighting environment.
- **Effect**. Choose a special effect such as Grayscale, Sepia, etc., to apply to your photos or video clips.

Capture Settings menu

- **Resolution**. Select the desired image or video size.
- **Camera.** Select which camera to use. You can choose from **Main Camera**, **2nd Camera** or **2nd Camera (Flip)**.
- **Quality**. Select the JPEG image quality level for all captured still images. You can choose from **Basic**, **Normal**, **Fine**, and **Super Fine**.
- **Storage**. Select where you want to save your files. You can either save the files to the main memory or to a storage card.
- **Metering Mode**. Select a metering mode to allow the camera to measure the amount of light in the center and around the image and calculate the best-fit exposure value before capturing. Choose either **Center Area** to measure light using the center area of the image or **Average** to measure light using the area all around the image.

Capture Mode menu

- **Mode**. Switch between different capture modes such as Photo, Video, Contacts Picture, and more. For more information about these modes, see "Capture modes" earlier in this chapter.

Advanced menu

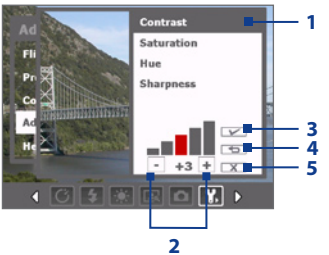
Tap the left/right icon in this bar to switch between the menu pages in the Advanced menu.

Alternatively, when using the Navigation Control buttons, keep pressing down until this bar is selected (bar changes color). Press left/right to switch between the menu pages.

- **Capture Format**. Select the desired file format.
- **Shutter Sound**. Choose whether or not you want the camera to make a shutter sound when you press the CENTER OK button or the CAMERA button to take photos or record video clips.
- **Grid**. Choose whether or not to show a grid on the Camera screen. Showing a grid helps you frame and center your subject more easily and accurately.

- **Keep Backlight**. Choose whether to turn the backlight on or off while using the camera. This overrides your device backlight settings while you are using the camera.

- **Review Duration**. Set a time length for displaying the captured image/video on the Review screen before automatically saving it and returning to the live Camera screen. Select **No Limit** if you do not want to impose a time limit. Select **No Review** to immediately return to the live Camera screen after capturing.
- **Flicker Adjustment**. When taking indoor shots, flicker on the camera screen may be caused by inconsistencies between the vertical scan rate of the camera display and the flicker frequency of fluorescent lighting. To reduce flicker, you can change the flicker adjustment setting to **Auto** or to the proper frequency (**50Hz** or **60Hz**) of the country where your device is being used.
- **Record with Audio**. Select **On** to record audio with the captured video clips. This is selected by default. If you select **Off** and then capture a video clip, it will have no audio.
- **Prefix**. Specify how to name captured images and video clips. When **Default** is selected, the file name of each new captured file is set to "IMAGE" or "VIDEO" followed by a sequential number, for example: IMAGE_001.jpg. You may also choose to name files using either the current **Date** or **Date & Time** as the prefix.
- **Counter**. By default, the newly captured image or video files are named with a prefix and some sequential numbers, such as 001, 002, and so on. To reset the numbering to "001" for your captured files, tap **Reset**.
- **Recording Limit**. Specify the maximum time or file size for recording.
- **Template Folder** (in Picture Theme mode only). By default, templates are stored in the \My Documents\Templates folder on the device's **Main Memory**. If you transferred some templates to a storage card (via File Explorer), set this option to **Main + Card** to specify that templates are located in both the main memory and the storage card.
- **Adjust**. This option allows you to adjust the camera display properties, such as **Contrast**, **Saturation**, **Hue**, and **Sharpness**.



1 In the submenu, tap one of the properties to adjust.
Alternatively, press NAVIGATION up/down to select a property.

2 To increase/decrease the value, tap the plus/minus icon or press NAVIGATION left/right. The live Camera screen on the background immediately displays the effect of changes.

3 Tap to save the settings and close the submenu.

4 Tap to reset all properties to their default.

5 Tap to close the submenu without applying and saving the changes.

9.2 Using Pictures & Videos

The **Pictures & Videos** program collects, organizes, and sorts images and video clips in the following formats on your device.

File Type	File Extensions
Image	*.bmp, *.jpg, *.gif
GIF animation	*.gif
Video	*.avi, *.wmv, *.mp4, *.3gp

You can view the pictures as a slide show, beam them, send them via e-mail, edit them, or set them as the background on the Today screen.

To copy pictures, GIF animation files, and video clips to your device

You can copy pictures, GIF animation files, and video files from your PC and view them on your device.

- Copy the pictures, GIF animation files, and video files from your PC or a storage card to the My Pictures folder on your device. (You can also copy video files to the My Videos folder.)

For more information about copying files from your PC to your device, see ActiveSync Help on your PC.

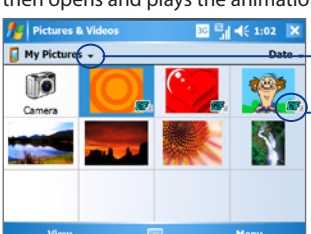
Note:
You can also copy pictures, GIF animation files, and video files from your PC to your device using a memory card. Insert the memory card into the memory card slot on your device, then copy the files from your PC to the folder you created on the memory card.

To view pictures

1. Tap **Start** > **Programs** > **Pictures & Videos**. The images in the My Pictures folder appear as thumbnails by default.
2. Select a picture and tap **View**. If you cannot find a picture in the default My Pictures folder, go to another folder by tapping the Down arrow (▼).

To play GIF animation files

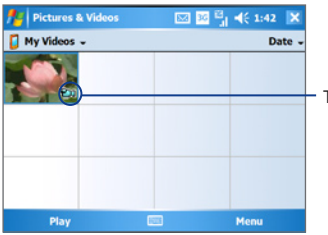
1. Tap **Start** > **Programs** > **Pictures & Videos**.
2. Select a GIF animation file and tap **View**. The GIF Animation program then opens and plays the animation.



To play videos with audio

1. Tap **Start** > **Programs** > **Pictures & Videos**. By default, the contents of the My Pictures folder will be shown.

2. To find the video clips that you captured, tap the down arrow (▼) next to the My Pictures folder and tap My Documents. Next, tap My Videos. Video clips are displayed as thumbnails by default, which appear with a media icon ( ).



3. Tap to select a video and play it in Windows Media Player Mobile.

To view slide shows

You can view your pictures as a slide show on your device. Pictures are shown in full-screen view with 5-second intervals between slides.

1. Tap **Start** > **Programs** > **Pictures & Videos**.
2. Tap **Menu** > **Play Slide Show**.

Note:

You can specify how pictures are scaled to optimize their display in a slide show. Tap **Menu** > **Options**, then tap **Portrait pictures** or **Landscape pictures** on the **Slide Show** tab.

Tap anywhere on the screen to display the Slide Show toolbar, which you can use to stop or pause the slide show, rotate the view, and more.

To sort pictures and video clips

If you store a large number of pictures or video clips on your device, you may find it helpful to sort them to quickly find a specific picture or clip. You can sort by name, date, and size.

1. Tap **Start** > **Programs** > **Pictures & Videos**.
2. Tap the sort list (labeled **Date** by default), and select the item you want to sort by (**Name**, **Date**, or **Size**).

To delete a picture or video clip

Do any of the following to remove a picture or a video clip:

- Select a picture or video clip on the Pictures & Videos screen, and tap **Menu > Delete**.
- Tap and hold the thumbnail of the picture you want to delete, then tap **Delete**.

Tap **Yes** to confirm the deletion.

To edit a picture

You can rotate, crop, and adjust the brightness and color contrast of your pictures.

1. Tap **Start > Programs > Pictures & Videos**.
2. Tap the picture you want to edit.
3. Tap **Menu > Edit**, and do any of the following:
   - To rotate a picture 90 degrees clockwise, tap **Rotate**.
   - To crop a picture, tap **Menu > Crop**. Next, tap and drag to select the area to crop. Tap inside the box to crop, or tap outside the box to cancel cropping.
   - To adjust the brightness and contrast levels of a picture, tap **Menu > Auto Correct**.

Note:

To undo an edit, tap **Menu > Undo**. To cancel all unsaved edits you made to the picture, tap **Revert to Saved**.

To set a picture as the Today screen background

You can use a picture as the background on the Today screen.

1. Tap **Start > Programs > Pictures & Videos**.
2. Select the picture you want to set as the background.
3. Tap **Menu > Set as Today Background**.
4. In **Transparency level**, select a higher percentage for a more transparent picture, or a lower percentage for a more opaque picture.
5. Tap **OK**.

To send pictures and video clips via e-mail

You can send pictures and video clips to other devices via e-mail.

1. First, set up Messaging to send and receive messages.
2. From the program, select the item you want to send.
3. Tap **Menu > Send**, and select one account (such as Outlook E-mail or MMS) to send the attached item.
4. A new message is created with the item attached.
5. Enter the recipient name and subject, and tap **Send**. The message will be sent the next time you synchronize your device.

Note: Pictures and video clips are saved automatically before they are sent.

To assign pictures to contacts

You can assign a picture to a contact so that you can easily identify the contact at any point of time.

1. Tap **Start > Programs > Pictures & Videos**.
2. Select the picture you want to assign to a contact.
3. Tap **Menu > Save to Contact**.
4. Tap the contact, or navigate and tap **Select** to choose the contact from your Contacts list.

To customize more image settings

1. Tap **Start > Programs > Pictures & Videos**.
2. Select the picture for which you want to configure further settings.
3. Tap **Menu > Options**. The Options screen appears, allowing you to:
   - Resize a picture so that it can be sent faster through e-mail.
   - Set the direction of rotation for the Rotate function.
   - Configure the view settings during slide shows and activate screensaver options.

9.3 Using Windows Media Player Mobile

You can use Microsoft Windows Media Player Mobile 10 for Pocket PC to play digital audio and video files that are stored on your device or on a network, such as on a Web site.

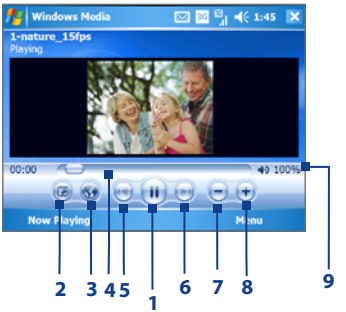
Using Windows Media Player Mobile, you can play both audio and video files. These are the following file formats that are supported by this version of Windows Media Player Mobile.

Video File Formats Supported	File Extensions
• Windows Media Video	.wmv, .asf
• MPEG4 Simple Profile	.mp4
• H.263	.3gp
• Motion JPEG	.avi
• 3GPP2	.3g2

Audio File Formats Supported	File Extensions
• Windows Media Audio	.wma
• MP3	.mp3
• MIDI	.mid, .midi, .rmi
• AMR Narrow Band	.amr
• AMR Wide Band	.awb
• AAC	.m4a
• 3GPP2	.gcp

About the controls

The following are available controls on the Windows Media Player Mobile.



This control	Does this
1	Plays/Pauses a file.
2	Displays the video in full screen.
3	Displays a Web site where you can find music and videos to play.
4	Adjusts the playback progress of a selected file.
5	Skips to the beginning of the current file or to the previous file.
6	Skips to the next file.
7	Decreases the volume level.
8	Increases the volume level.
9	Turns the sound on or off.

About the screens and menus

Windows Media Player Mobile has three primary screens:

- **Playback screen**. The default screen that displays the playback controls (such as Play, Pause, Next, Previous, and Volume) and the video window. You can change the appearance of this screen by choosing a different skin.
- **Now Playing screen**. The screen that displays the Now Playing playlist. This special playlist indicates the current file being played and any files that are "queued up" to play next.
- **Library screen**. The screen that lets you quickly find your audio files, video files, and playlists. It contains categories such as My Music, My Videos, My TV, and My Playlists.

At the bottom of each screen, you can open a **Menu**. The commands on this menu vary, depending upon which screen you are viewing. For more information about the commands in these menus, see Help on your device.

About licenses and protected files

Some content (such as digital media files downloaded from the Internet, CD tracks, and videos) have associated licenses that protect them from being unlawfully distributed or shared. Licenses are created and managed by using digital rights management (DRM), which is the technology for securing content and managing its access rights. Some licenses may prevent you from playing files that have been copied to your device. Files that have licenses associated with them are called "protected files."

If you want to copy a protected file from your PC to your device, use the desktop Player to synchronize the file to your device (instead of dragging the file from a folder on your PC to a folder on your device, for example). This will ensure that the license is copied along with the protected file. For more information about synchronizing files to your device and other mobile devices, see desktop Player Help.

Note:

You can view the protection status for a file by checking its file properties (tapping **Menu** > **Properties**).

Copy media files to your device

Use the latest version of the desktop Player (Windows Media Player 10 or later) to synchronize digital media files to your device (instead of dragging a file from a folder on your PC to a folder on your device, for example). Using the desktop Player ensures that licenses are copied with protected files.

Always synchronize the files to a storage card that is inserted into your device. Do not synchronize to a storage card that is inserted into a storage card reader. In addition, do not synchronize to the internal storage location (RAM) in your device.

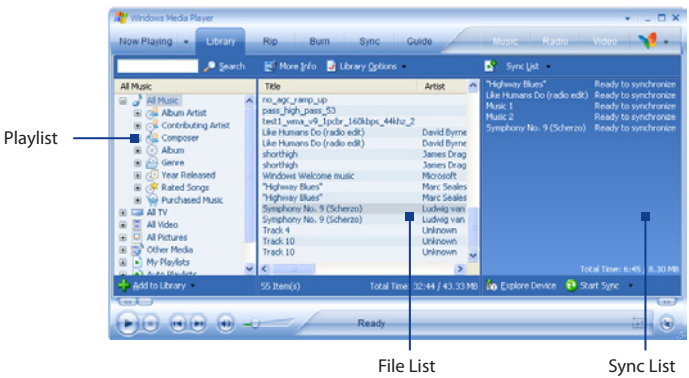
To synchronize content to your device automatically

1. Power off your device. Insert a 32-MB or larger storage card into your device, and turn the power back on.
2. On your PC, start Windows Media Player.
3. Connect your device to your PC.
4. If you have not set up synchronization between your device and PC, the Device Setup Wizard opens on your PC.
5. In the wizard, click **Automatic**, select the **Customize the playlists that will be synchronized** check box, and then select the playlists that you want to synchronize.
6. Click **Finish**.
7. The files begin synchronizing to your device. The next time you connect your device to your PC while the desktop version of Windows Media Player is running, synchronization will start automatically.

To synchronize and copy content manually to your device

1. If you have not set up synchronization between your device and PC, follow steps 1 to 6 in "To synchronize content to your device automatically", except that you should click **Manual** synchronization.
2. To choose files to synchronize and copy to your device, do the following:
   - Click the **Library** tab.
   - In the rightmost pane, click the drop-down list and select **Sync List**.

- In the Playlist which is the leftmost pane, select a desired playlist.
- In the File List which is the middle pane, multi-select desired files then drag them to the Sync List.
- Click the **Start Sync** button found at the bottom of the Sync List.



Note:

Audio files copy faster if the desktop Player is configured to automatically set the quality level for audio files copied to your device. For more information, see desktop Player Help on the PC.

Play media

To play items on your device

Use the library on Windows Media Player Mobile to find and play songs, videos, and playlists that are stored on your device or removable storage card.

1. If you are not on the Library screen, tap **Menu > Library**.
2. On the Library screen, tap the Library arrow (near the top of the screen), then tap the media storage that you want use, for example, Storage Card.

3. In most cases, Windows Media Player Mobile automatically updates the library. However, you can manually update the library to ensure that it contains new files that you recently copied to your device or storage card. Tap **Menu > Update Library** to manually update the library list.
4. Select a category (for example, My Music or My Playlists).
5. Tap and hold the item that you want to play (such as a song, album, or artist name), then tap **Play**.

Note:

To play a file that is stored on your device but is not in a library, on the Library screen, tap **Menu > Open File**. Tap and hold the item that you want to play (such as a file or a folder), then tap **Play**.

To play an item on a network

Use the **Open URL** command to play a song or video that is stored on the Internet or on a network server.

1. If you are not on the Library screen, tap **Menu > Library**.
2. Tap **Menu > Open URL**.
3. Do one of the following:
   - In the **URL** box, enter a network address.
   - In the **History** box, tap a URL that you have previously used.

Note:

To play an item on a network, you must be connected to a network. For more information about creating a remote connection between your device and a network, see Connections Help on your device.

Use playlists

A playlist is a list of digital media files that play in a specified order. By using playlists, you can group audio and video files together for convenient playback.

In the desktop Player, you can create a playlist of media files and synchronize the desktop Player with your device. For more information about synchronizing media, see "Copy media files to your device" earlier in this chapter.

In Windows Media Player Mobile on your device, your playlists are available in the Library under the My Playlists category. There is also a temporary playlist, called Now Playing, which lists the currently playing file, as well as any files that have been queued up to play next. You can create a new playlist on your device by saving the current Now Playing playlist and by giving it a new name.

To save a new playlist

1. If you are not on the Library screen, tap **Menu > Library**.
2. Tap to select a category (for example, My Music or My Playlists).
3. Select a media file that you want, then tap **Menu > Queue Up**. This adds the file to the Now Playing list.

   Repeat this step until you have added all desired media files to the Now Playing list.

   Note: You cannot select multiple files simultaneously.
4. After adding the media files, tap **Menu > Now Playing**.
5. On the Now Playing screen, tap **Menu > Save Playlist**.
6. Enter the playlist name then tap **Done**.
7. To play back the playlist you created, tap My Playlists in the Library, select your playlist, then tap **Play**.

Troubleshooting

If you encounter a problem while using the Windows Media Player Mobile, a number of resources are available to help you troubleshoot the issue.

For more information, see the Troubleshooting Windows Media Player Mobile page at the Microsoft Web site (http://www.microsoft.com/windows/windowsmedia/player/windowsmobile/troubleshooting.aspx).

9.4 Using Streaming Media

The **Streaming Media** program allows you to stream live broadcasts or on-demand media content from the Web. You do not have to wait until the entire media content is completely downloaded before watching the video or hearing the sound. The media is sent in a continuous stream to your device and is played as it arrives, along with the audio.

Button control	Function
1	Play/Pause
2	Jog Bar (for scrubbing video)
3	Zoom out
4	Zoom in
5	Stop
6	Mute
7	Decrease volume
8	Increase volume
9 70%	Current volume level

The Streaming Media program allows you to play **3GP** and **MPEG-4** files. It also supports playback of **SDP** (Session Description Protocol) files. An SDP file is a text file that contains the format, broadcast times, media content, and other information about a live broadcast, or it may contain a playlist and links to prerecorded media files if you are viewing on-demand streaming media.

To access streaming content via Internet Explorer

In Internet Explorer, you can open a Web page containing RTSP links to streaming media content then play the content in the Streaming Media program.

1. Tap **Start** > **Internet Explorer**.
2. In the address bar, enter the URL address of the Web page that contains the RTSP link to the desired *.3gp, *.mp4, or *.sdp file.
3. On the Web page, tap the RTSP link.
4. Streaming Media then automatically opens and starts playing the file. During playback, use the button controls to play/pause, zoom in or out, adjust the sound volume, and more.

To stream media files directly on the Streaming Media

Streaming Media only supports RTSP links when you stream *.3gp and *.mp4 files directly on the program.

Note:
Before you launch the Streaming Media program, make sure that you are connected to the Internet.

1. Tap **Start** > **Programs** > **Streaming Media**.
2. From the program, tap **Connect**.
3. Enter the URL for the Web site (rtsp://) and the file name.

   Alternatively, if you already accessed RTSP links before, you can simply tap an RTSP link in the **History** list to play previously viewed content.
4. Tap **Connect**.
5. Streaming Media then starts playing the file. During playback, use the button controls to play/pause, zoom in or out, adjust the sound volume, and more.

To view streaming video file information

You can view the properties and general information of a streaming video clip, such as file format, audio codec, dimension, frames, and duration of the video.

- Tap **Menu > Properties** from the program.

To configure streaming video connection settings

Tap **Menu > Options** to configure the following settings:

- **Connect via**. Choose whether you want to connect to the Internet or corporate network (intranet) to locate a streaming video clip.
- **UDP port range**. Specify a range of port numbers to use for streaming.
- **Media buffer**. Specify the memory space (in terms of duration) to allot for storing video and audio data while streaming media.

Chapter 10

Using Other Applications

10.1 Word Mobile

10.2 Excel Mobile

10.3 Viewing Slide Shows with PowerPoint Mobile

10.4 Using Adobe Reader LE

10.5 Using MIDlet Manager

10.6 Using ZIP

10.7 Using Voice Commander

10.1 Word Mobile

Word Mobile is a streamlined version of Microsoft Word. Word documents created on your PC can be opened and edited on your device. You can also create and edit documents and templates in Word Mobile and save them as ***.doc**, ***.rtf**, ***.txt**, and ***.dot** files.

You can have only one document open at a time. When you open a second document, the first one is saved and closed automatically.

To create a Word file

1. In Word Mobile, tap **New**. You will see either a blank document or template, depending on what you have selected as the default template.
2. Enter text as desired.
3. Tap **Menu**, then choose whether to set the font, paragraph alignment and indentation, insert the date, do a spelling check, and more.
4. When finished, tap **OK** to save and close the file.

When you close a newly created document, it is automatically named after the first several words in the document and placed in the Word Mobile document list. You can easily rename the document with a more meaningful name and move it to another folder or a storage card.

Note:

Word Mobile does not fully support some features of Microsoft Word such as revision marks and password protection. Some data and formatting may be lost when you save the document on your device. To see a complete list of features that are not supported in Word Mobile, see Help on your device.

10.2 Excel Mobile

Excel Mobile makes it easy for you to open and edit Excel workbooks and templates created on your PC. You can also create new workbooks and templates on your device.

To create an Excel file

1. In Excel Mobile, tap **New**. You'll see either a blank worksheet or template, depending on what you've selected as the default template.
2. Tap a cell to select it. Using the on-screen keyboard, enter your data then tap the **Enter** key.
3. Tap **Menu**, then choose whether to insert cells, charts, symbols or functions, format rows and columns, and more.
4. When finished, tap **OK** to save and close the file.

Tips:

- Work in full-screen mode to see as much of your workbook as possible.
- Tap **View > Zoom** and select a percentage so that you can easily read the worksheet.

Note:

Excel Mobile does not fully support some features such as formulas and cell comments. Some data and formatting may be lost when you save the workbook on your device. To see a complete list of features that are not supported in Word Excel, see Help on your device.

10.3 Viewing Slide Shows with PowerPoint Mobile

With **PowerPoint Mobile**, you can open and view slide show presentations created on your PC. Slide shows in ***.ppt** and ***.pps** format created using PowerPoint '97 and later can be viewed in PowerPoint Mobile.

Many presentation elements built into the slide shows such as slide transitions and animations will play back on the device. If the presentation is set up as a timed slide show, one slide will advance to the next automatically. Links to URLs are also supported.

Features not supported in PowerPoint Mobile include:

- **Notes.** Notes written for slides will not be visible.

- **Rearranging or editing slides**. PowerPoint Mobile is a viewer only.
- **Some file formats.** Files created in ***.ppt** format earlier than PowerPoint '97 and HTML files in ***.htm** and ***.mht** formats are not supported.

To start a slide show presentation

1. Tap **Start** > **Programs** > **PowerPoint Mobile**.
2. In the presentation list, tap the slide show you want to view.
3. Tap the current slide to advance to the next slide.
4. To navigate between slides, tap ▲| > **Next** or **Previous**, or tap **Go to Slide** and tap the slide you want to view.

If the presentation is set up as a timed slide show, slides will advance automatically.

Notes:

- If you have zoomed in to see a slide in more detail, you cannot navigate to another slide until you zoom out.
- Tapping **Next** or **Previous** may play an animation on a slide rather than navigate to another slide.

To stop a slide show

- In a PowerPoint Mobile presentation, tap ▲| > **End Show**.

10.4 Using Adobe Reader LE

Adobe Reader LE allows you to open and view Portable Document Format (PDF) files. These files usually have a ***.pdf** file extension.

To open a PDF file on your device

1. Tap **Start** > **Programs** > **Adobe Reader LE**.
2. Tap **Open**.
3. Browse to a folder and tap the PDF file you want to view.

Note:

To open another PDF file, tap **Menu** > **Open**. Tap **Browse**, select the desired file, and tap **Open**. You can also open a PDF file from File Explorer.

To navigate through a PDF file

You can do any of the following:

- Tap the Up, Down, Right, and Left arrow keys on the horizontal and vertical scrollbars to move to the desired direction of the page.
- Press NAVIGATION up, down, right, and left to move up or down a page or scroll through the pages.
- Tap the space between the arrow keys and the scrollbar with your stylus to move one screen towards the desired position.
- Tap and drag the scrollbar tab to quickly scroll through pages and jump to a desired page number.
- Tap **Tools > Go To** and select an option to go to a specific page in a multi-page PDF file.

To enlarge or reduce the display size

1. Open a PDF file you want to view.
2. Tap **Tools > Zoom**.
3. Select **In** or **Out** to enlarge or reduce the display size. Otherwise, select **Fit Screen** or **Fit Width**.
4. Select **To** % to set an arbitrary zoom ratio.

To change page view and orientation

1. Open a PDF file you want to view.
2. Tap **Tools > View**.
3. Select an option to suit your view.

To find text in a PDF file

1. Open a PDF file you want to view.
2. Tap **Tools > Find > Text**.
3. Enter the text to be searched.
4. Choose search parameters, such as Match case, Whole word, Backwards, and tap **Find**.

Notes:

- Adobe Reader LE displays a bookmark pane for the PDF files that contain bookmarks. You can tap the bookmarks to go to a specific section/page within the file.
- Adobe Reader LE supports password protected PDF files with up to 128-bit encryption. When you open a password-protected PDF file, you will be prompted to enter the password before the file can be opened.

To use the toolbar

You can also use the Adobe Reader LE toolbar to access the most commonly used functions. The following table lists the toolbar controls.

This Control	Does This
	Fits the entire page to the screen
	Fits the page width to the screen
	Displays the first page
	Displays the previous page
	Displays the next page
	Displays the last page
	Displays the text search screen
	Zooms out
	Zooms in

10.5 Using MIDlet Manager

MIDlets are Java applications that can run on mobile devices. Your device supports Java™ 2 Micro Edition, J2ME™. The **MIDlet Manager** allows you to download Java applications, such as games and tools that are specifically designed for mobile devices. Although some Java applications and games have already been installed on your device, the Java MIDlet Manager gives you the flexibility of installing and managing additional J2ME applications from the Internet.

To install MIDlets from the Internet

1. Locate the MIDlet/MIDlet suite while connected to the Internet.
2. Select the MIDlet/MIDlet suite to download.
3. Confirm to start downloading.
4. Run the file(s) to install.

To install MIDlets from a PC

You can install the MIDlets/MIDlet suites on your device from a PC using the USB sync cable or Bluetooth. MIDlets copied to your device are automatically saved in the My Documents folder. However, you can copy the MIDlet file(s) from a PC to any of the following temporary folders on your device from where MIDlet Manager can install them.

- Device memory: ../My Device/My Documents/My MIDlets
- Storage card/Microdrive: ../My Device/Storage Card or Microdrive

Note:
If the My MIDlets folder does not exist in My Documents, you can create one with the same folder name. However, a folder named Storage Card automatically appears after you insert a storage card into your device.

To install a MIDlet/MIDlet suite

1. Tap **Start** > **Programs** > **MIDlet Manager** > **Menu** > **Install** > **Local**.
2. From the list, tap the MIDlet/MIDlet suite that you want to install.
3. Confirm to complete the installation.

Note:
To remove a MIDlet file from the temporary folder, tap and hold the file then tap **Delete** from the shortcut menu.

To run MIDlets on your device

1. Tap **Start** > **Programs** > **MIDlet Manager**.
2. Tap a MIDlet to run.

To view the MIDlets currently running

- Tap the down arrow on the top left of the MIDlet Manager screen, then tap **Running**.

Note: To view the most recently used MIDlets, tap **Show** > **Recent**.

To stop running a MIDlet

1. Tap the down arrow on the top left of the MIDlet Manager screen, then tap **Running**.
2. Tap and hold a MIDlet on the Running MIDlets screen, and tap **Stop**.

Note: To stop all MIDlets currently running on your device, tap **Menu** > **Stop All**.

Manage MIDlets/MIDlet suites

You can organize the MIDlets into groups and define custom groups. You can also change the default settings for a MIDlet.

To associate a MIDlet/MIDlet suite to a group

If you installed several MIDlets/MIDlet suites to your device, you can categorize them into groups.

1. Tap and hold on a MIDlet/MIDlet suite, then tap **Group**.
2. Choose a preset group, or tap **New** if you want to create a custom group, then tap **OK**.

After you have assigned MIDlets/MIDlet suites to respective groups, the group names will appear in the Show menu and you can display them by group.

To select a sorting order

1. Tap the down arrow on the top right of the MIDlet Manager screen to open the **Sort By** menu.
2. Choose to sort by **Name** or by **Size**.

To change the display name of a MIDlet

1. Tap and hold a MIDlet, and tap **Rename**.
2. Enter a new name for the MIDlet, then tap **OK**.

Note: You cannot change the name of a MIDlet suite.

To uninstall a MIDlet/MIDlet suite

Before you uninstall a MIDlet/MIDlet suite, make sure that it is not running.

1. Tap and hold the MIDlet/MIDlet suite, and tap **Uninstall**.
2. Tap **OK** to confirm.

Note:
You cannot uninstall a single MIDlet from a MIDlet suite; you can uninstall only the complete MIDlet suite.

To check storage space

- Tap **Menu** > **System Info** on the MIDlet Manager screen to see how much device storage space is used by MIDlets.

To select a type of connection

- Tap **Menu** > **Choose Network Type** on the MIDlet Manager screen, and select the type of connection that you will use for downloading MIDlets to your device.

To configure MIDlet security

You can adjust security settings for each MIDlet/MIDlet suite.

1. Tap and hold a MIDlet.
2. Tap **Security** from the shortcut menu.

Note that some features may not be available for all MIDlets/MIDlet suites. The following are the security options that you can set for a running MIDlet/MIDlet suite.

Security Option	Description
Net Access	Determines whether a MIDlet/MIDlet suite can access the Internet.
Local Connectivity	Enables a MIDlet/MIDlet suite to access services, such as Bluetooth.

App Auto Run	Enables a MIDlet/MIDlet suite to run at specified times, or any time.
Messaging	Determines whether a MIDlet/MIDlet suite can send and/or receive SMS messages.
Multimedia Recording	Enables a MIDlet/MIDlet suite to record sounds and images.

Note:
For a list of error messages that you may receive while managing and using MIDlets/MIDlet suites on your device, see Help on your device.

10.6 Using ZIP

This feature allows you to save memory and increase the storage capacity of your device by compressing files in the conventional ZIP format. You can view and extract archive files received from various sources. You can also create new ***.zip** files on your device.

Start ZIP and Open .zip files

You can use **ZIP** to either archive files or open an existing archive file on your device. Each time you start ZIP on your device, it searches for files that have the .zip file extension, and displays these files on the Archive List screen.

To start ZIP on your device

- Tap **Start** > **Programs** > **ZIP**.

To open a ZIP file and extract files

1. Open a file using any of the following:
   - Select a file and tap **File** > **Open Archive**.
   - Tap and hold a file and tap **Open Archive**.
   - Double-tap a file.

Note: You cannot select multiple ZIP files.

2. The files contained in the zip file are then displayed. Select files by doing one of the following:
   - Tap to select a file.
   - To select several files, tap **Menu > Action** and make sure **Multi-Select Mode** is selected. Select files by tapping each file. (Tap a selected file to deselect it).
   - To select all files, tap **Menu > Action > Select All**.
3. Tap **Menu > Action > Extract**.
4. Choose a folder in which files will be extracted to, then tap **Extract**.

To create a zip archive

1. Tap **New** or **File > New Archive**.
2. On the Save As screen, enter a zip file name and choose a folder in which to save the zip file. You can also choose whether the zip file will be saved on the device's main memory or a storage card.
3. Tap **Save**.
4. Tap **Menu** > **Action > Add**.
5. Double-tap the folder that contains the files you want to archive.
6. Select files by doing one of the following:
   - Tap to select a file.
   - To select several files, tap and hold on the screen, then select **Multi-Select Mode**. Select files by tapping each file. (Tap a selected file to deselect it).
   - To select all files, tap and hold on the screen, then tap **Select All**.
7. Tap **Add**.
8. Tap **Menu > File > Close Archive**.
9. After closing the zip file, you can tap **Menu** > **File > Find Archive** to search for all zip files and display them on the Archive List screen.

10.7 Using Voice Commander

Voice commands can enable you to perform simple command controls by your voice, this can save the selection and search time of contacts and phone application. This program provides the following voice recognition functions:

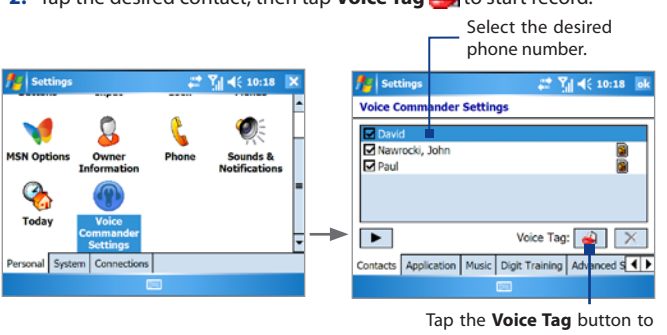
* Dial to contacts
* Find contacts
* Digit dialing
* Open applications
* Control Windows Media® player
* Play designated music file
* Browse calendar
* Open messages screen

The voice command can recognize Chinese, English, and numbers, but you will still need to create the voice tags individually for each recognition item. This will let you use your normal speaking voice to say the customized tag items to improve the success rate on recognition.You can also use number model training and appropriate advanced settings to improve voice recognition success rate.

Number training must start from the first item and not items may be skipped. When you choose to delete number model training, all training will be deleted.

Create a voice tag for a contact

1. Tap **Start** > **Settings** > **Voice Commander Settings**
2. Tap the desired contact, then tap **Voice Tag** to start record.



3. When completed, a **Voice Tag** icon ( ) will be displayed on the right of the item.

4. When you create a voice tag for the item, you can do one of the following:
   - Tap the **Record** button ( ) to rebuild the voice tag.
   - Tap the **Play** button (▶) to play the voice tag.
   - Tap the **Delete** button (✕) to delete the voice tag.

Tip: To ensure voice recognition accuracy, please record your voice in a quiet place.

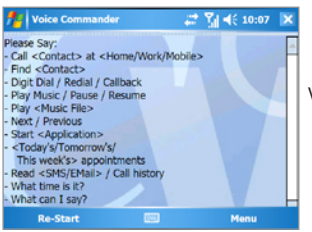
Create a voice tag for a program

1. Tap **Start** > **Settings** > **Personal** tab > **Voice Commander Settings**.
2. The **Application** tab displays a list of all installed programs on your device. The procedure for creating a voice tag for a program is the same as the procedure for creating a voice tag for a phone number.
3. After you have created a voice tag for a program, you can then launch the program by saying the recorded voice tag after tapping **Start** > **Programs** > **Voice Commander**.

Activate Voice Commander

You can do one of the following to start Voice Commander:

1. Tap **Start** > **Programs** > **Voice Commander**.
2. Press and hold the button to lunch **Voice Cammander**.



Voice Commander main screen

Make a call or launch programs using a voice tag

1. Tap **Start** > **Programs** > **Voice Commander**.
2. After a "beep" sound, say the recorded voice tag that you have assigned to the phone number you want to call or the program you want to launch. The system will repeat the voice tag and then dial out or launch the program automatically.

Note:

If the system can not recognize your voice tag, please speak clearly and reduce the surrounding noise, then try again.

Appendix

A.1 Regulatory Notices
A.2 PC Requirement to Run ActiveSync 4.x
A.3 Specifications
A.4 Customer Service Information

A.1 Regulatory Notices

Regulatory Agency Identifications

For regulatory identification purposes, your product is assigned a model number of ATHE100.

To ensure continued reliable and safe operation of your device, use only the accessories listed below with your ATHE100.

The Battery Pack has been assigned a model number of ATHE160.

This product is intended for use with a certified Class 2 Limited Power Source, rated 5 Volts DC, maximum 1 Amp power supply unit.

European Union Notice

Products with CE marking comply with the R&TTE Directive (99/5/EC), the EMC Directive (89/336/EEC), and the Low Voltage Directive (73/23/EEC) issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Norms (in parentheses are the equivalent international standards).

- **EN 60950-1 (IEC 60950-1)**

Safety of InformationTechnology Equipment.

- **ETSI EN 301 511**

Global system for mobile communications (GSM); Harmonized EN for mobile stations in the GSM 900 and GSM 1800 bands, covering essential requirements of article 3.2 of the R&TTE directive (1995/5/EC).

- **ETSI EN 301 489-1**

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements.

- **ETSI EN 301 489-7**

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and

services; Part 7: Specific conditions for mobile and portable radio and ancillary equipment of digital cellular radio telecommunications systems (GSM and DCS).

• **ETSI EN 301 489-17**
Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2.4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment.

• **ETSI EN 300 328**
Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; data transmission equipment operating in the 2.4 GHz ISM band and using spread spectrum modulation techniques.

• **EN 50360:2001**
Product standard to demonstrate the compliance of mobile phones with the basic restrictions related to human exposure to electromagnetic fields (300 MHz - 3 GHz).

• **EN 50392:2002**
Generic standard to demonstrate the compliance of low power electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (10 MHz - 300 GHz)

- General public.

CE 0560 ①

This equipment may be operated in:							
AT	BE	BG	CH	CY	CZ	DE	DK
EE	ES	FI	FR	GB	GR	HU	IE
IT	IS	LI	LT	LU	LV	MT	NL
NO	PL	PT	RO	SE	SI	SK	TR

Safety Precautions for RF Exposure

Use only original manufacturer-approved accessories, or accessories that do not contain any metal.

Use of non-original manufacturer-approved accessories may violate your local RF exposure guidelines and should be avoided.

Exposure to Radio Frequency (RF) Signals

The wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR.

The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in usage. Normal conditions only ensure the radiative performance and safety of the interference. As with other mobile radio transmitting equipment, users are advised that for satisfactory operation of the equipment and for the safety of personnel, it is recommended that no part of the human body be allowed to come too close to the antenna during operation of the equipment.

SAR Information

- 0.836 W/Kg@10g (CE)

Telecommunications & Internet Association (TIA) Safety Information Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should ALWAYS keep the phone more than six inches from their pacemaker when the phone is turned ON.
- Should not carry the phone in a breast pocket.
- Should use the ear opposite the pacemaker to minimize the potential for interference. If you have any reason to suspect that interference is taking place, turn the phone OFF immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider, or call the customer service line to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn the phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

WEEE Notice

The Directive on Waste Electrical and Electronic Equipment (WEEE), which entered into force as European law on 13th February 2003, resulted in a major change in the treatment of electrical equipment at end-of-life.

The purpose of this Directive is, as a first priority, the prevention of WEEE, and in addition, to promote the reuse, recycling and other forms of recovery of such wastes so as to reduce disposal.

The WEEE logo (shown at the left) on the product or on its box indicates that this product must not be disposed of or dumped with your other household waste. You are liable to dispose of all your electronic or electrical waste equipment by relocating over to the specified collection point for recycling of such hazardous waste. Isolated collection and proper recovery of your electronic and electrical waste equipment at the time of disposal will allow us to help conserving natural resources. Moreover, proper recycling of the electronic and electrical waste equipment will ensure safety of human health and environment. For more information about electronic and electrical waste equipment disposal, recovery, and collection points, please contact your local city center, household waste disposal service, shop from where you purchased the equipment, or manufacturer of the equipment.

RoHS Compliance

This product is in compliance with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003, on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) and its amendments.

A.2 PC Requirement to Run ActiveSync 4.x

To connect your device to the PC, you must have Microsoft® ActiveSync® program installed on your PC. ActiveSync 4.x is included in the **Getting Started CD**, which is compatible with the following operating systems and applications:

- Microsoft® Windows® 2000 Service Pack 4
- Microsoft® Windows Server® 2003 Service Pack 1
- Microsoft® Windows Server® 2003 IA64 Edition Service Pack 1
- Microsoft® Windows Server® 2003 x64 Edition Service Pack 1
- Microsoft® Windows® XP Professional Service Packs 1 and 2
- Microsoft® Windows® XP Home Service Packs 1 and 2
- Microsoft® Windows® XP Tablet PC Edition 2005
- Microsoft® Windows® XP Media Center Edition 2005
- Microsoft® Windows® XP Professional x64 Edition
- Microsoft® Outlook® 98, Microsoft® Outlook® 2000 and Microsoft® Outlook® XP, and Microsoft® Outlook® 2003 messaging and collaboration clients
- Microsoft® Office 97, excluding Outlook
- Microsoft® Office 2000
- Microsoft® Office XP
- Microsoft® Office 2003
- Microsoft® Internet Explorer® 4.01 or later (required)
- Microsoft® Systems Management Server 2.0

A.3 Specifications

System Information	
Processor	Baseband: QUALCOMM® MSM 6275 CPU: Intel® PXA270 624 MHz with ATi Graphic Chip W2284
Memory	- ROM: 256 MB - RAM: 128 MB SDRAM (Figures are the total ROM and RAM memory available for use and storage. Since the memory is shared by the Operating System, applications, and data, the actual available memory is less than what is written). - Microdrive: 8 GB
Operating System	Windows Mobile® Version 5.0 for Pocket PC

Power	
Battery	Rechargeable Lithium-ion polymer battery, 2100 mAh
Charging Time	Up to 4 hours
Battery Life (estimates)	Standby time: Up to 300 hours for GSM Up to 300 hours for UMTS Talk time (Screen off): Up to 5.5 hours for GSM Up to 4.5 hours for UMTS Video call: Up to 2 hours
AC Adapter	Voltage range/Frequency: 100 - 240V AC, 50/60 Hz DC output: 5V and 1A

Display	
LCD Type	5" transmissive TFT-LCD with backlight LEDs, touchsensitive screen
Resolution	480 x 640 VGA resolution with 65K colors
Alignment	Landscape and Portrait

GPS	
Chipset	SirF StarIII with Ephemeris Extension support
Internal Antenna	Yes
GPS Receiver	20 parallel channels

Cellular Radio Module	
Functionality	HSDPA/UMTS (2100 for Europe, 850/1900 for USA) GSM/GPRS/EDGE (850, 900, 1800, and 1900)
Mode	Dual (GSM)
Internal Antenna	Yes

Physical	
Dimensions	133.1 mm (L) x 97.7 mm (W) x 16 mm (T) Thickness with keyboard: 20 mm
Weight	Less than 350g (with battery)

Camera Module	
Type	Main camera: 3 megapixels with auto focus and flash light Second camera: VGA CMOS imaging sensor
Resolution	Photo: 2048 x 1536 (QXGA), 1600 x1200 (UXGA), 1280 x1024 (SXGA), 640 x 480 (VGA), 320 x 240 (QVGA), 160 x120 (QQVGA) Video: 352 x 288 (CIF), 320 x 240 (QVGA), 176 x144 (QCIF), 128 x 96
Digital Zoom	Up to 8x

Connections	
I/O Port	• HTC ExtUSBTM : an 11-pin mini-USB 2.0 and audio jack in one (ExtUSB is a proprietary connection interface that is trademarked by HTC).

I/O Port	• HTC proprietary 16-pin combined port (USB 1.1 host/ VGA and TV Out)
Car Antenna Connector	Yes
GPS Antenna Connector	Yes
Audio	Stereo earphone/Microphone jack
Wireless Connections	Bluetooth®, Wi-Fi®

Controls and Lights	
Navigation Buttons	• 5-way navigation control/Enter button • Comm Manager/Voice Recorder • Camera button • OK button • Start button • Internet Explorer/VueFLO control button • Detachable QWERTY Keyboard • Volume Slider • Power button • Reset button
LEDs	Notification LED 1 shows battery charging status. Notification LED 2 shows the GSM/UMTS standby/ network status (Green) and GPS indicator (amber). Notification LED 3 shows the following: • A blinking Blue light for Bluetooth system notification of powered-up and ready to transmit radio frequency signal. • A blinking Green light for Wi-Fi status. • When both Bluetooth and Wi-Fi are enabled, their lights blink alternately. Notification LED 4 shows messages and notifications. Please see "Getting to Know Your Device and Its Accessories" in Chapter 1 to know the locations of the LEDs.

Audio	
Audio Controller	AGC
Microphone/ Speaker	Built-in/Dual, Hands-free
Headphone	AMR/AAC/WAV/WMA/MP3 codec

Expansion Slots	
Card Slot	miniSD™ (Hot swap and SD 2.0 compatible)

A.4 Customer Service Information

Thank your for using our product. This product will bring you an all new enjoyment, if you need further usage information, we welcome you to contact with our customer service center.

We welcome you to immediately logon to the member website, and to e-mail us for any suggestions.

Taiwan:

Customer Service	0800-088-858 , 02-8761-5959
Website	http://www.dopod.com.tw
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Thank you and please enjoy our product.